INDEX

BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE

Volumes 65-66, Numbers 1-12, 1968

BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE

Volumes 65-66, Numbers 1-12, 1968

(A translation of Byulleten' Éksperimental'noi Biologii i Meditsiny)

A

Abramets, I. I. - 879
Adigamov, L. F. - 1343
Ado, V. A. - 42
Afanas'eva, A. V. -1084
Aganyants, E. K. - 980
Agranenko, V. A. - 856
Akopdzhanova, I. K. - 1070
Akopyan, Zh. I. - 771
Aleksanyan, Yu. T. - 82
Alekseev, Yu. N. - 106
Aleutskii, N. N. - 782
Allik, T. A. - 255
Allikmets, L. Kh. - 983
Almerekova, A. A. - 1326
Amirkhanyan, O. M. - 642
Anan'ev, V. M. - 581, 619
Anashkin, O. D. - 623
Andreeva, N. G. - 314
Anina, I. A. - 1101
Antonova, G. A. - 490
Antonyuk, R. D. - 908
Araviiskii, R. A. - 573
Archakov, A. I. - 526
Ardashnikova, L. I. - 258
Arkhipov, G. N. - 207
Arkhipova, O. G. - 1359
Aronova, G. N. - 370
Arslanov, A. S. - 295
Arushanyan, E. B. - 786, 1104
Ashkinazi, I. Ya. - 496
Astaf'eva, O. G. - 390
Avakyan, O. M. - 535
Avanesov, Yu. P. 709
Averbakh, M. M. - 853
Averkina, R. F. - 1385
Avgustinovich, G. I. - 577

B

Babeva, A. G. - 566, 677
Babichev, V. N. - 12
Badikova, A. K. - 1037
Baevskii, R. M. - 109
Bakhareva, Z. A. - 876
Bakhitova, L. M. - 218
Bakirov, R. D. - 160
Bannikov, G. N. - 1348
Baran, L. A. - 1096
Barchenko, L. I. - 338
Barmina, E. F. - 1078
Baron, M. A. - 1390
Barta, É. - 846
Basova, N. N. - 197
Bazaz'yan, G. G. - 380
Bekhtereva, É. P. - 883
Belekhova, M. G. - 481
Belokon', L. I. - 69
Belova, T. I. - 1040, 1156, 1394
Belyaeva, E. M. - 289, 774
Belyaeva, I. D. - 1148
Belyavskaya, E. A. - 27
Benua, N. N. - 487
Benyush, V. A. - 92
Berezovskii, V. A. - 152
Berger, É. N. - 628
Bergol'ts, V. M. - 1011
Berkhin, E. B. - 1115
Bernshtein, V. A. - 152
Biryuzova, V. I. - 734
Blazheevich, N. V. - 1209
Blokhin, I. P. 464
Blokhina, A. N. - 1274
Bobkov, Yu. G. - 990
Bochkova, D. N. - 704
Bodyrev, A. A. - 986
Bogach, P. G. - 245, 1309
Bogatova-Nikanorova, R. I. - 1034
Bogdanov, N. G. - 292, 529
Bogomazov, M. Ya. - 1019
Bogushevich, M. S. - 1193
Bolyarskaya, V. A. - 628
Bordyushkov, Yu. N. - 187, 655
Borisenko, A. N. - 779
Borisova, O. K. - 1375
Borisova, T. A. - 157
Botsmanov, K. V. - 1037
Branchevskii, L. L. - 262
Breslav, I. S. - 273
Brondz, B. D. - 1366
Brumshtein, M. S. - 1084
Brusilovskii, A. I. - 347, 665
Budik, V. M. - 803, 1026
Bulbuk, G. A. - 754
Burov, N. I. - 876
Burshtein, Ch. I. - 86
Buryak, M. A. - 301
Butenko, Z. A. - 201
Bykovskaya, K. N. - 143

C

Chebotar', N. A. - 1382
Chechik, B. É. - 1003, 1379
Cherednichenko, L. K. - 127
Cherkasov, V. F. - 585
Cherkezova-Kinova, E. R. - 1005
Chernilovskaya, P. E. - 1306
Chernukh, A. M. - 319
Chernyak, V. A. - 837
Chernyakov, I. N. - 1068
Chernysheva, G. V. - 265, 961
Chernysheva, L. F. - 1332
Chorayan, O. G. - 597, 721
Chudnovskii, G. S. - 227
Chugunova, S. N. - 166
Chukhrova, A. I. - 175
Chumakov, M. P. - 577

D

Dadiani, É. N. - 607
Darenskaya, N. G. - 376
Darinskii, Yu. A. - 599
Dedlovskaya, V. I. - 1292
Demchenko, V. N. - 1218
Demikhov, V. P. - 109, 1295
Deryabin, L. N. - 1057
Dimant, I. N. - 328
Dimitrov, N. G. - 1044
Dimitrieva, T. M. - 360
Domanskii, V. Yu. - 276
Domontovich, E. N. - 823
Dotsenko, V. I. - 1313
Dronov, A. F. - 194
Dubrovina, T. Ya. - 1120

Dubrovina, Z. V. - 876
Durnova, G. N. - 432, 800
Dyatlova, N. M. - 1359
Dzarakhokhov, K. I. - 1037
Dzhelieva, Z. N. - 59
Dzhunusova, R. M. - 317
Dzyubko, N. Ya. - 1096

E

Efimov, E. A. - 234, 662
Egorov, I. K. - 216
Egorova, G. M. - 533
Elantsev, A. B. - 1153
Émirbekov, É. Z. - 1099
Eremeev, V. F. - 961
Eremin, V. P. - 1055
Ermakova, I. P. - 1241
Erman, B. A. - 1226
Esakov, A. I. - 9, 357
Esayan, N. A. - 17
Éster, K. M. - 33
Evsyukov, V. I. - 98, 695

F

Farber, Yu. V. - 401
Farberov, A. I. - 1030
Farutina, L. M. - 1271
Fedorov, I. V. - 683
Fedorov, N. A. - 1019
Fedorova, T. A. - 774
Feigel'man, S. S. - 1173
Fel'dman, L. A. - 373
Filatova, L. M. - 623
Filimonova, Yu. A. - 197
Filin, V. A. - 9
Filippov, S. P. - 531
Filov, V. A. - 335
Filyushina, E. E. - 692
Filyushina, Z. G. - 613
Finkinshtein, Ya. D. - 1313
Fontalin, L. N. - 895
Frankshtein, S. I. - 485
Frolova, E. I. - 876
Fryazinova, I. B. - 418

G

Galikeev, Kh. L. - 550
Gaponyuk, P. Ya. - 499
Garbarets, M. A. - 640, 1245
Garfunkel', M. L. - 856
Garkavi, L. Kh. - 1269
Gasanov, S. G. - 295
Gasparyan, A. M. - 707
Gavrilova, T. N. - 221
Geinisman, Yu. Ya. - 813
Geitman, I. Ya. - 802
Gerasimov, A. M. - 526
Gerasimova, E. N. - 607
Gerelyuk, I. P. - 843
Gershtein, L. M. - 547
Gervazieva, V. B. - 709
Gette, Z. P. - 1218
Gilev, A. P. - 1061, 1113
Ginovker, A. G. - 1140
Gitis, E. I. - 96
Glan, P. V. - 919
Glezer, I. M. - 802
Glinskii, I. A. - 82
Gluzman, D. F. - 201
Gofmekler, V. A. - 868
Gogebashvili, N. V. - 853
Gol'dberg, D. I. - 686
Gol'dberg, E. D. - 686
Gol'dberg, L. E. - 994
Gol'dberg, M. B. - 509
Gololobova, M. T. - 674
Golov, D. A. - 366
Golovchinskii, V. B. - 865
Golovistikov, I. N. - 798
Gomazkov, O. A. - 1401
Gorin, A. I. - 44
Gorkin, V. Z. - 1332
Govallo, V. I. - 1133
Govorchenko, V. I. - 653
Grabovskaya, K. B. - 178
Grabovskii, L. A. - 821
Granov, A. M. - 949
Grigorovich, N. A. - 1127
Grigor'yan, D. G. - 849
Grigor'yan, V. G. - 204
Groisman, S. D.- 1309
Gromashevskaya, L. L. - 1218
Grosman, Yu. S. - 784, 1211
Grutman, M. I. - 183
Gubareva, A. V. - 430
Gubin, G. D. - 555, 914
Gulieva, S. A. - 1021
Gurevich, M. I. - 366
Gurvich, A. A. - 961
Gurvich, N. L. - 1193
Gushchin, I. S. - 23
Gusovskii, Ya. M. - 1218
Guz, S. Ya. - 633

I

Ievleva, E. S. - 1366
Ignatov, Yu. D. - 473
Il'in, G. I. - 898
Il'yuchenok, R. Yu. - 647, 1348
Ilyuntseva, S. K. - 1209
Il'yushina, N. G. - 994
Ioffe, V. I. - 901
Isachenko, V. B. - 406
Isakhanov, G. I. - 757
Iskrenko, I. A. - 928
Ispolatova, A. V. - 997
Israilyan, A. A. - 328
Ivanov, I. I. - 51, 1340
Ivanov, K. P. - 127
Ivanova, E. A. - 668
Ivanova, N. A. - 904
Ivanova, O. Yu. - 325
Ivanushkina, K. A. - 1009
Ivashkina, I. N. - 255

K

Kabachnik, M. I. - 1359
Kabanova, E. A. - 1252
Kagramanov, S. V. - 1173
Kaidin, D. A. - 269, 1322
Kalishuk, V. A. - 692
Kaltrikyan, A. A. - 535
Kamenskaya, M. A. - 1179
Kanaev, S. V. - 1324
Kanchurin, A. Kh. - 79, 1205
Kandror, V. I. - 33, 137
Kapel'ko, V. I. - 954
Kaplanskii, A. S. - 800
Karagezyan, K. G. - 56, 642
Karamyan, O. A. - 1297
Karasev, B. N. - 702
Kargina-Terent'eva, R. A. - 803
Karlyev, K. M. - 954
Karmysheva, V. Ya. - 577
Karpenko, L. D. - 721
Karuzina, I. I. - 526
Kasavina, B. S. - 871
Kashkin, K. P. - 704, 891
Kashtanova, Z. A. - 538
Kastrikina, L. N. - 47
Kasumova, Z. P. - 1166
Kaufman, O. Ya. - 1288
Kazanina, S. S. - 680
Kazarova, E. K. - 17
Keerig, Yu. Yu. - 51
Ketkin, A. T. - 1064
Kevanishvili, Z. Sh. - 477
Khakberdyev, M. M. - 1009
Khanamiryan, R. M. - 518
Kharlamovich, S. I. - 523
Khaunina, R. A. - 65
Kheidemanis, K. K. - 1094
Khil'kin, A. M. - 194
Khodorova, N. A. - 728
Khomchenovskii, E. I. - 437, 659
Khusainova, I. S. - 1163
Khussar, Yu. P. - 558

Kir'yakov, M. A. - 469
Kiryushina, I. N. - 370
Klemparskaya, N. N. - 398
Klevtsova, G. N. - 868
Klestova, O. V. - 273
Klimenko, E. D. - 265
Klimov, P. K. - 604
Kobozev, G. V. - 633
Kochemasova, N. G. - 366
Kogan, A. M. - 619
Kogan, A. S. - 1329
Kolesnikov, Yu. N. - 514
Kolesnikova, L. D. - 224
Kolesnichenko, T. S. - 1262
Komissarov, I. V. - 879, 1238
Komlyagin, A. G. - 589
Kondratenko, G. P. - 516
Kondrat'eva, L. N. - 826
Konyshev, V. A. - 1346
Konyukhov, A. F. - 1377
Kopteva, L. A. - 731
Kopylova, G. M. - 800
Korkach, V. I. - 252
Korkhov, V. V. - 1250
Kokorin, I. N. - 1252
Korolev, V. V. - 1201
Koryakina, I. K. - 506
Kosenko, A. F. - 14
Kosmachevskaya, É. A. - 341, 1382
Kosmarskaya, E. N. - 810
Kosmiadi, G. A. - 1133
Kotenko, A. Z. - 373
Kotov, N. N. - 1019
Kots, Ya. M. - 968
Koval', L. A. - 245
Kovalenko, N. Ya. - 670
Kovaleva, T. N. - 20, 27
Kovtunovich, L. G. - 96
Koziner, V. B. - 502
Kozlovskaya, M. M. - 1
Krasnoshchekov, G. P. - 449
Kravchenko, V. F. - 599
Kravtsov, M. P. - 1286
Krivosheina, G. N. - 922
Krokholeva, T. N. - 765
Krupnik, S. I. - 1267
Krymskii, L. D. - 1037
Kryukova, L. V. - 39
Kryzhanovskii, G. N. - 1185
Kubli, S. Kh. - 849
Kudrin, A. N. - 1332
Kul'berg, A. Ya. - 76
Kulik, A. M. - 242
Kulish, Yu. S. - 891
Kupriyanov, V. G. - 1044
Kuralesova, A. I. - 1279
Kurdovanidze, I. L. - 563
Kurilova, L. M. - 518
Kusakin, A. A. - 1388
Kushmanova, O. D. - 637
Kuznetsova, N. I. - 977
Kuznik, B. I. - 965
Kvitnitskii, M. E. - 746
Kydryashov, B. A. - 380
Kyul'yan, G. M. - 59

L

Ladinskaya, M. Yu. - 62
Lanskii, V. P. - 1235
Lapin, I. P. - 983, 1356
Lapotnikov, V. A. - 1324
Larin, A. P. - 782
Lavrent'eva, N. B. - 1282
Lazarev, A. F. - 231
Lazdane, R. Ya. - 1094
Lazovskaya, A. V. 276
Lazovskaya, L. I. - 692
Lebedev, K. A. - 887
Lebedev, V. P. -111
Lednev, I. A. - 585
Leites, F. L. - 1169
Lemenov, V. L. - 194
Len'kova, N. A. - 743
Lerner, É. N. - 837
Leshchinskaya, N. P. - 904
Lesnyak, G. P. - 487
Levin, F. B. - 162, 298
Levina, D. K. - 311
Levina, S. E. - 668
Lider, V. A. - 292
Lipovskii, S. M. - 149
Lipskaya, T. Yu. - 768
Litvinov, N. N. - 653
Litvinov, V. I. - 853
Logunov, V. V. - 1222
Loktionov, G. M. - 328
Lomivorotov, V. N. - 1329
Lomova, M. A. - 774
Lorents, V. G. - 704
Losev, N. I. - 1247
Loss, N. P. - 1179
Lubé, V. M. - 353
Luganova, I. S. - 912
Lushnikov, E. F. - 928
Lyapkov, B. G. - 653
Lysov, V. F. - 740
Lyubimova-Gerasimova, R. M. - 934

M

Maiorova, N. F. - 140
Maiskii, A. I. - 415, 1190
Maiskii, I. N. - 1173
Makarov, G. F. - 86
Makevnin, G. Ya. - 932
Maksimenko, S. F. - 408
Maksimuk, Yu. A. - 957
Malenkov, A. G. - 325
Mambeeva, A. A. - 689
Mamontov, S. G. - 1277
Manyasheva, R. A. - 550
Markelov, I. M. - 765
Markovskaya, G. I. - 383
Marinenko, E. I. - 776
Martirosyan, D. M. - 421
Mashkovskii, M. D. - 1235
Masyukevich, V. N. - 1089
Mats, V. N. - 813
Matyushkin, D. P. - 724
Mazaev, V. T. - 1247
Mazurenko, N. P. - 1337
Mazurik, V. K. - 774
Mchedlishvili, G. I. - 1282
Mdinaradze, Yu. S. - 30
Medved', T. Ya. - 1359
Medyntsev, V. V. - 1359
Meerov, G. I. - 1176
Meerson, F. Z. - 30, 183
Mekler, L. B. - 310
Mel'man, E. P. - 957
Mel'nichuk, P. V. - 1104
Merkulova, I. S. - 874
Metveeva, V. A. - 406
Mikhailov, V. V. - 390, 973, 1201
Milova, G. N. - 403
Mirzoyan, S. A. - 169
Mischenko, V. P. - 965
Mityushin, V. M. - 310
Modyanova, E. A. - 325
Moibenko, A. A. - 821
Moiseeva, O. I. - 273
Molodyk, A. A. - 114
Montsevichyute-Éringene, E. V.- 322
Morgunova, Ya. I. - 201
Morozov, Yu. E. - 1214
Mosidze, V. M. - 477
Movshev, B. E. - 1259
Mtskhvetadze, A. V. - 748
Muchkin, N. I. - 1086
Mukhina, A. P. - 761
Murashova, A. I. - 89
Muratkhodzhaev, N. K. - 86
Murav'eva, L. I. - 511
Murtazin, I. F. - 210
Musin, B. S. - 607
Muzykant, L. I. - 865
Myasnikov, L. A. - 627

N

Nasaretyan, R. A. - 169
Nasledova, I. D. - 630
Nazarenko, N. A. - 849
Nazarov, G. F. - 172
Nazarov, L. A. - 589
Nazarov, V. A. - 582, 619
Nedoshivina, R. V. - 506
Nefedov, V. P. - 1016
Nesterenko, V. S. - 585
Nesterov, L. N. - 1398
Nguen Nogk Lan - 771
Nikitin, V. S. - 917
Nikitin, Yu. P. - 1196
Nikitina, M. M. - 380
Nikolaev, A. I. - 86
Nilova, N. A. - 689
Novikova, N. A. - 1199
Nozdrachev, A. D. - 386, 604

O

Oganisyan, A. A. - 6
Ogurtsov, R. P. - 453
Oivin, V. I. - 499
Olesk, A. O. - 698
Ol'shanskii, G. S. - 1091
Oranskii, I. E. - 1398
Orlov, R. S. - 1064
Orlovskii, G. N. - 717
Orlovskii, V. I. - 424, 796
Osechinskii, I. V. - 310
Osipova, S. V. - 65
Ostashkov, K. V. - 1208

P

Pak, V. V. - 1019
Palenova, N. G. - 810
Panchenko, I. A. - 823
Panfilova, T. A. - 133
Panteleev, É. K. - 1362
Parkan', M. S. - 114
Parnes, V. A. - 331
Pastukhina, R. I. - 835
Pastukhov, Yu. F. - 647
Pavlovich, N. V. - 1316
Pekhov, A. P. - 1388
Pelipenko, N. V. - 932
Perelaznyi, A. A. - 849
Petrishchev, N. N. - 172
Petrov, R. V. -310, 1362
Petrukhin, V. G. - 683, 1044
Petunin, Yu. I. - 702
Pevnitskii, L. A. - 895
Pigareva, Z. D. - 175
Pigarevskii, V. E. - 898
Pilipenko, V. I. - 1160
Piontkovskii, I. A. - 509
Pityk, N. I. - 308
Plechkova, E. K. - 1282
Pochechueva, G. S. - 146
Podlesnaya, A. I. - 545
Podoplelov, I. I. - 82
Pogodaev, K. I. - 1222
Pogodin, M. A. - 411
Pokrovskii, A. A. - 403, 526
Pokrovskii, V. M. - 616
Poletaev, G. I. - 793
Polyak, E. Z. - 516
Polyak, R. Ya. - 1120
Popenenkova, Z. A. - 393
Popkov, V. L. - 1068
Popov, M. M. - 469
Popov, V. V. - 1030
Popova, N. K. - 413
Portnoi, V. F. - 837
Portugalov, V. V. - 1023
Pospelova, N. A. - 555
Potkin, V. E. - 265
Povar, L. V. - 1211
Pozdnyakov, O. M. - 924
Pozina, I. M. - 1205
Pravdina, G. M. - 376
Proimin, G. S. - 585
Pronina, G. M. - 364
Prostyakova, N. N. - 816
Protsenko, V. A. - 280, 513
Prozorovskii, V. B. - 538
Pukhal'skaya, E. Ch. - 345
Pushkarev, Yu. P. - 748
Pushkina, N. N. - 868
Pyleva, Z. A. - 552

R

Raevskii, V. S. - 20
Raipov, O. R. - 550
Rakhmanova, T. B. - 137
Ratnikov, V. I. - 791
Rembez, I. N. - 1295
Repin, Yu. M. - 818
Reutskaya, G. I. - 1238
Rizhinashvili, R. S. - 477
Rodina, I. F. - 928
Rodionov, I. M. - 743
Rogova, L. S. - 1113
Rogozkin, V. D. - 101, 776
Romanoskaya, M. G. - 393
Romanov, Yu. A. - 1274
Romanova, L. A. - 1332
Romanova, R. Yu. - 853
Romashenko, F. A. - 547
Rozanova, L. S. - 813
Rozanova, V. D. - 728
Rozenblat, V. V. - 942
Rozental', K. M. - 901
Rubinov, R. S. - 395
Rudakov, I. A. - 35
Rudakov, V. V. - 1340
Rudakova, I. S. - 319
Rudakova, S. F. - 35
Rudenko, N. Z. - 874
Rukosuev, V. S. - 350
Rummel', A. G. - 227
Runikhin, Yu. A. - 816
Ryabinina, Z. A. - 92, 457
Ryzhenkov, V. E. - 1118
Ryzhkova, Yu. P. - 1176

S

Safarova, A. A. - 856
Safonov, Yu. D. - 353
Safronova, V. G. - 1229
Sagalovich, B. M. - 1073
Samoilovich, I. M. - 879, 1182
Samsonova, M. L. - 1356
Sapakova, É. - 846
Sapin, M. R. - 607
Sapronov, N. S. - 305
Sateev, M. M. - 328
Savel'ev, N. K. - 738
Seifulla, R. D. - 415, 1190
Seits, I. F. - 912, 1265
Seleznev, S. A. - 949
Sel'tser, V. K. - 939
Semagin, V. N. - 360
Semashko, M. I. - 1169
Semchenko, Yu. P. - 806
Semenov, E. P. - 840
Semenova, L. A. - 840
Semenova, L. S. - 1081
Sena, N. L. - 1120
Senyukov, M. V. - 1073
Sergeev, K. K. - 825
Sergeev, P. V. - 1190
Sergeeva, V. S. - 1226
Sergeeva, Z. N. - 485
Seslavina, L. S. - 1362
Severin, F. V. - 717
Shakhova, T. V. - 37
Shalimov, V. A. - 53
Shamraeva, S. A. - 552
Shamrai, E. F. - 1096
Shapkin, A. G. - 707
Shapovalov, A. I. - 786, 1297
Shapovalov, Yu. N. - 665
Sharapova, P. Kh. - 1066
Sharkov, B. M. - 1335
Sharov, P. A. - 1109

Sharovskaya, N. M. - 109
Shats, V. Ya. - 435
Shcherban', É. I. - 1324
Sheikhon, F. D. - 1185
Shekhonis, B. V. - 350
Shekhter, A. B. - 194
Shekhter, S. Yu. - 493
Shekoyan, V. A. - 1000
Shemanova, G. F. - 1375
Shenderov, S. M. - 30
Shershevskaya, S. F. - 1214
Shevchuk, M. G. - 957
Shevlyagin, V. Ya. - 421
Shik, M. L. - 717
Shikhodyrov, V. V. - 398
Shindin, V. A. - 51
Shirokova, T. G. - 345
Shmeleva, A. M. - 273
Shmeleva (Kuchinskaya), N. E. - 76
Shmeleva, N. I. - 1076
Shmerling, M. D. - 413
Shostka, G. D. - 1324
Shtenberg, A. I. - 317
Shtok, V. N. - 837
Shugina, T. M. - 1109
Shuratov, I. Kh. - 181
Shust, V. F. - 1232
Shvarts, I. L. - 390
Shvyrkov, V. B. - 593
Sidorenkov, O. K. - 860
Sidorkin, V. I. - 523
Sidorova, V. F. - 566
Simkin, D. S. - 1337
Sinitsyn, N. V. - 949
Skakun, N. P. - 640
Skatkov, M. E. - 116
Sklyarov, Ya. P. - 103
Skurikhina, M. M. - 774
Slozhenikina, L. V. - 413
Smirnov, A. I. - 27
Smirnov, Yu. M. - 738
Smorodintsev, A. A. - 181, 904, 1120
Smotrov, V. A. - 832
Sobakin, M. A. - 466
Sobieva, Z. I. - 961
Sokolov, I. I. - 1208
Sokolov, M. A. - 111
Sokolov, P. P. 194
Sokolov, S. Ya. - 1353
Sokolova, E. V. - 426
Sokolova, L. V. - 213
Sokolova, Z. A. - 849, 1030
Solomatin, S. S. - 829
Solov'ev, G. S. - 1144
Solov'ev, V. V. - 895
Solov'eva, V. Ya. - 973
Sorinov, A. N. - 435
Soroka, V. R. - 874
Sorokin, A. V. - 898
Sorokina, I. N. - 977
Sorokina, M. L. - 526
Spirichev, V. B. - 1209
Spitkovskii, D. M. - 44
Stankevich, N. V. - 1136
Starikova, V. B. - 1023
Stepanyan, N. O. - 763
Stolbun, B. M. - 942
Stoletnii, P. P. - 821
Strigin, V. A. - 1372
Strochkov, V. N. - 698
Studitskaya, O. A. - 43
Suchkov, V. V. - 626
Sudarikova, L. G. - 1096
Sukhorukikh, S. V. - 1014
Sukhova, Z. I. - 1151
Surinov, B. P. - 704
Surovtseva, Z. F. - 521
Sushkov, F. V. - 1023
Sviderskaya, G. E. - 1301
Sytina, N. P. - 380

T

Tabakova, L. A. - 401
Tabarovskaya, T. A. - 1196
Taraeva, N. G. - 30
Tarasov, V. M. - 585
Tatarinov, Yu. S. - 1089
Telepneva, S. I. - 446
Teplov, S. I. - 119
Ternovoi, K. S. - 862
Tetenchuk, E. V. - 1061
Tikhonenko, T. I. - 44
Tilis, A. Yu. - 1326
Timofeev, V. T. - 82
Titomir, L. I. - 1048
Tkachenko, K. N. - 734
Tkacheva, G. K. - 570
Tlel'ka, R. R. - 677
Todorov, D. P. - 466
Tokarev, P. F. - 702
Tolmacheva, N. S. - 319
Tongur, V. S. - 47
Toskin, K. D. - 280
Totolyan, A. A. - 901
Tregubov, S. M. - 542
Tribulev, G. P. - 82
Trinyak, N. G. - 752
Troitskii, R. A. - 441
Trokhimenko, M. Z. - 1304
Trotsenko, B. V. - 665
Trubachev, V. V. - 123
Trufanov, A. V. - 59
Tseitlin, L. A. - 763
Tseitlin, P. I. - 44
Tsellarius, Yu. G. - 840
Tsukershtein, O. E. - 133
Tsukrova, F. M. - 1216
Tsybulyak, G. N. - 768
Tsyrlin, V. A. - 1, 649
Tukhtaev, T. - 101
Tyavokin, V. V. - 1320

U

Ul'yanina, N. N. - 858
Usacheva, N. T. - 403
Uskova, N. V. - 65
Utyumova-Malova, A. V. - 1084

V

Vakhing, V. A. - 983
Val'dman, A. V. - 1
Vasileiskii, S. S. - 287, 646
Vasil'ev, V. Yu. - 1055
Vasil'eva, L. I. - 119
Vedyaev, F. P. - 237
Vel'bri, S. K. - 1255
Velichko, A. G. - 493
Verzhbitskaya, N. I. - 560
Verzilova, O. V. - 826
Vikhrieva, M. P. - 835
Vil'de, L. A. - 1070
Vinetskaya, M. I. - 871
Vinetskii, Yu. P. - 289, 774
Vinogradov, V. N. - 683
Vinogradov, V. V. - 692
Vinogradova, I. L. - 856
Vinter, V. G. - 1124
Virabyan, I. L. - 17
Vladimirova, A. D. - 1265
Vlasov, P. V. - 469
Vlasova, E. V. - 1375
Vlasova, V. S. - 555
Voinov, V. A. - 1247
Voinova, I. I. - 1052
Voloboeva, A. A. - 201
Volodina, E. P. - 1130
Volynskii, M. Ya. - 79
Vornakova, G. N. - 1366
Vorob'eva, K. P. - 1241
Vorob'eva, N. M. - 601, 947
Vorona, A. P. - 335
Voronin, G. N. - 1166
Voronina, F. V. - 298
Voskanyan, N. A. - 164
Voskoboinikov, G. V. - 587
Vtyurin, B. V. - 1037

Vysotskaya, N. B. - 1109

Y

Yabrov, A. A. - 181
Yaglov, V. V. - 637
Yakovleva, M. I. - 945
Yaremko, E. E. - 103

Z

Zabrodin, O. M. - 1081
Zaets, T. L. - 865
Zagorodneva, A. G. - 130
Zaitsev, A. E. - 51
Zak, V. I. - 283
Zakharov, S. V. - 531, 1335
Zakharova, N. S. - 1169
Zakharzhevskii, V. B. - 698
Zaks, A. S. - 784
Zaletaeva, T. A. - 1151
Zamaraev, V. N. - 444
Zamychkina, K. S. - 249
Zaslavskaya, R. M. - 540
Zav'yalov, A. V. - 1104
Zhilova, G. P. - 1120
Zhirnova, A. A. - 1032
Zhuk, E. A. - 413
Zhukova, N. A. - 35
Zil'bermints, L. G. - 784
Zinov'eva, T. E. - 1209
Zinzar, S. N. - 73, 190
Zubkova-Mikhailova, E. I. - 106
Zubenko, P. M. - 1208
Zubovskaya, A. M. - 154
Zubzhitskii, Yu. N. - 453
Zyablitskii, V. M. - 35

BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE
Volumes 65-66, Numbers 1-12, 1968
(A translation of Byulleten' Éksperimental'noi Biologii i Meditsiny)

CONTENTS

Volume 65, Number 1 January, 1968

	Engl./Russ.	
PHYSIOLOGY		
Functional Role of the Hypothalamus in Arterial Pressure Regulation—A. V. Val'dman, M. M. Kozlovskaya, and V. A. Tsyrlin	1	3
Absence of Convergence in Sensory Zones of Posterior Horns of the Spinal Cord —A. A. Oganisyan	6	9
Interaction between Taste Receptors—V. A. Filin and A. I. Esakov	9	12
Data Relating to the Mechanism of Action of Thyroxin—V. N. Babichev	12	15
Nervous and Humoral Pathways of Transmission of Hypothalamic Influences on Secretory Activity of the Gastric Glands—A. F. Kosenko	14	17
Excretion of Catecholamines by the Gastric Mucous Membrane—S. A. Mirzoyan, N. A. Esayan, I. L. Virabyan, and E. K. Kazarova	17	20
Effect of Hyperventilation on Chronaxie of the Motor Cortex—V. S. Raevskii and T. N. Kovaleva	20	23
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY		
Intracellular Investigation of an Anaphylactic Reaction of Guinea Pig Atrial Cells —I. S. Gushchin	23	27
Influence of Extracardiac Nerves on Cardiovascular Function in General Hypothermia —A. I. Smirnov, E. A. Belyavskaya, and T. N. Kovaleva	27	31
Contractile Function of Undamaged Parts of the Left Ventricle after Acute Disturbance of the Coronary Circulation—S. M. Shenderov, N. G. Taraeva, Yu. S. Mdinaradze, and F. Z. Meerson	30	34
Sensitivity of Hyperthyroid Rabbits to Pressor Effect of Adrenalin—V. I. Kandror and K. M. Éster	33	38
Effect of Extraction of Large Amounts of Bone Marrow on the Blood System and Survival Rate of Irradiated Rats—I. A. Rudakov, V. M. Zyablitskii, N. A. Zhukova, and S. F. Rudakova	35	40
Disturbances of Small Intestine Function in Dogs with Experimental Pneumonia —T. V. Shakhova	37	43
Absorptive Power of the Alimentary Tract after Resection of the Distal Half of the Small Intestine—L. V. Kryukova	39	45
Suppression of Experimental Contact Dermatitis in Guinea Pigs with Spirasidine —V. A. Ado	42	48
BIOCHEMISTRY AND BIOPHYSICS		
Secondary Structure of DNA in the Phage Corpuscle—A. I. Gorin, D. M. Spitkovskii, T. I. Tikhonenko, and P. I. Tseitlin	44	50
Dynamics of DNA-Dependent RNA Synthesis in a Cell-Free System of Escherchia coli —L. N. Kastrikina and V. S. Tongur	47	53
Composition of Protein Fractions from Various Parts of the Rabbit Myocardium —A. E. Zaitsev, V. A. Shindin, Yu. Yu. Keerig, and I. I. Ivanov	51	57
Change in Activity of Oxidative Enzymes of the Myocardium during Development of Experimental Atherosclerosis—V. A. Shalimov	53	59

	Engl.	Russ.
Effect of Adrenalin on Arteriovenous Difference in Concentration of Total and Individual Phospholipids in Whole Blood—K. G. Karagezyan	56	61
Changes in Folic Acid Metabolism during Administration of Vitamin B_{12} Antimetabolites and Thyroid Hormones—Z. N. Dzhelieva, G. M. Kyul'yan, and A. V. Trufanov	59	65
PHARMACOLOGY		
Role of Nitro Groups in the Mechanism of the Antiedema Activity of Butyric Acid Derivatives and Esters—M. Yu. Ladinskaya	62	69
Effect of γ-Aminobutyric Acid and Its Derivatives on Resistance of Animals to Anoxia—S. V. Osipova, N. V. Uskova, and R. A. Khaunina	65	72
Changes in Electrical Activity and Reflex Excitability of the Spinal Cord under the Influence of Manganese—L. I. Belokon'	69	76
MICROBIOLOGY AND IMMUNOLOGY		
Primary Immunologic Response in Neonatally Thymectomized Mice—S. N. Zinzar	73	81
Antigenic Analysis of Submolecular Structure of Bovine γ-Globulin —N. E. Shmeleva (Kuchinskaya) and A. Ya. Kul'berg	76	84
Study of Encephalitogenic Activity of Salmonella typhi in Guinea Pigs —A. Kh. Kanchurin and M. Ya. Volynskii	79	87
ONCOLOGY		
Transplantable Cell Line Obtained from Rat Carcinoma—G. P. Tribulev, I. I. Podoplelov, Yu. T. Aleksanyan, I. A. Glinskii, and V. T. Timofeev	82	90
Effect of Autoantibodies on Function of Organs and Growth of Malignant Tumors —A. I. Nikolaev, Ch. I. Burshtein, N. K. Muratkhodzhaev, and G. F. Makarov	86	94
EXPERIMENTAL BIOLOGY		
Action of Blood Serum of Adult Rats on Fetal Organs—A. I. Murashova	89	97
Determination of DNA Content in Nuclei of Hepatocytes of Normal and Regenerating Rat Liver—Z. A. Ryabinina and V. A. Benyush	92	100
Prolonging Survival of Skin Homografts in Rabbits by Immunization with Competitive Antigens—L. G. Kovtunovich and E. I. Gitis	96	104
Effect of Transplantation of Isologous Bone Marrow on Regeneration in the Thymus of Irradiated Mice—V. I. Evsyukov	98	107
Effect of the Preparation Mumie on Lymphopoiesis in Acute Radiation Sickness —V. D. Rogozkin and T. Tukhtaev	101	110
MORPHOLOGY AND PATHOMORPHOLOGY		
Cuticular Ultrastructure of Epithelial Cells of the Mucous Membrane of the Small Intestine in Dogs, Rats, and Man—Ya. P. Sklyarov and E. E. Yaremko	103	112
Effect of Radiofrequency Electromagnetic Waves on Hypothalamic Neurosecretion and the Endocrine Glands—E. I. Zubkova-Mikhailova and Yu. N. Alekseev	106	115
METHODS		
Assessment of the Circulatory System in Dogs with Transplanted Hearts —R. M. Baevskii, V. P. Demikhov, and N. M. Sharovskaya	109	119
Digital Cardiotachometer for Small Laboratory Animals—V. P. Lebedev and M. A. Sokolov	111	121
Increased Sensitivity of Determination of Chorionic Gonadotropin when Implanted in Gelatin Capsules—M. S. Parkan' and A. A. Molodyk	114	123
Multichamber Apparatus for Measuring Gas Exchange of Small Laboratory Animals—M. E. Skatkov	116	125

Volume 65, Number 2 February, 1968

PHYSIOLOGY

Cholinergic Mechanism of Coronary Vasodilation – S. I. Teplov and L. I. Vasil'eva 119 3

Correlation Between Motor and Electroencephalographic Components of the Orienting Reflex to Tactile Stimulation of Various Areas of the Skin – V. V. Trubachev 123 7

Discrepancy Between Results of Direct and Indirect Calorimetry in Hypoxia – L. K. Cherednichenko and K. P. Ivanov 127 11

Changes in Protein Content of Gastric Juice During Secretion – A. G. Zagorodneva 130 14

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

Reactivity of Coronary Arteries and Coronary Vasoconstrictor Action of Serum in Hypercholesteremia and Atherosclerosis – T. A. Panfilova and O. E. Tsukershtein. 133 17

Nucleic Acid Metabolism in Myocardium of Rabbits with Experimental Thyrotoxicosis – T. B. Rakhmanova and V. I. Kandror 137 21

Investigation of Efferent Impulses in Postganglionic Sympathetic Fibers During the Action of Ionizing Radiation – N. F. Maiorova 140 24

Effect of Prednisolone on Serum Protein Fractions in Experimental Glomerulonephritis –K. N. Bykovskaya 143 27

Hypothalamic Influences on Motor Activity of the Small Intestine of Dogs with Acute Radiation Sickness – G. S. Pochechueva 146 30

Effect of Insulin and Glucose on Development of Gastric Ulcers – S. M. Lipovskii 149 33

Oxygen Tension in Skeletal Muscle of Unanesthetized Rats During Hypothermia – V. A. Bernshtein and V. A. Berezovskii 152 36

BIOCHEMISTRY AND BIOPHYSICS

Effect of Serotonin on Respiration and Oxidative Phosphorylation in Rabbit Heart Muscle Tissue – A. M. Zubovskaya 154 39

Incorporation of Uracil-C^{14} into Various Liver RNA Fractions and into Nucleic Acids of Certain Organs of Burned Rabbits – T. A. Borisova 157 42

Appearance of Embryonic Serum α-Globulin in Adult Mice After Carbon Tetrachloride Poisoning – R. D. Bakirov 160 45

Thermolability of Rat Liver NAD-Diaphorase Isoenzymes – F. B. Levin 162 47

Properdin Concentration in Blood Serum of Monkeys – N. A. Voskanyan. 164 49

PHARMACOLOGY

Changes in a Complex Adaptive Reflex in Dogs Caused by LSD-25 – S. N. Chugunova 166 52

Effect of Quateron on the Histoaminopexic Power of the Degenerating Stomach Wall – S. A. Mirzoyan and R. A. Nasaretyan. 169 55

Effect of Heparin on Vascular Permeability Disturbed by Histamine – G. F. Nazarov and N. N. Petrishchev 172 58

Effect of Stelazine on Oxidative Metabolism in Various Structures of the Cat Brain – A. I. Chukhrova and Z. D. Pigareva. 175 61

MICROBIOLOGY AND IMMUNOLOGY

Comparative Data for the Distribution of Colicines Among Different Species of Intestinal Bacteria Detected by Intra- and Interspecific Tests – K. B. Grabovskaya 178 64

Protective Role of Thermolabile Virus-Neutralizing Inhibitors During Experimental Virus Infection – I. Kh. Shuratov, A. A. Smorodintsev, and A. A. Yabrov 181 67

Changes in Nucleic Acid Synthesis in the Spleen During Immunogenesis – M. I. Grutman. . 183 70

Effect of Electrolytic Injury to the Posterior Hypothalamus on Production of Antibodies Against DNA – Yu. N. Bordyushkov 187 73

Secondary Immunologic Response of Neonatally Thymectomized Mice and Response to Successive Injection of Two Antigens – S. N. Zinzar 190 76

	Engl.	Russ.
Anaphylactogenic Properties of Products of Complete Solution of Collagen – A. B. Shekhter, A. M. Khil'kin, P. P. Sokolov, A. F. Dronov, and V. L. Lemenev. .	194	80
Dynamics of Plague Resistance in Albino Mice Vaccinated Once with Fraction 1 of Pasteurella pestis – N. N. Basova and Yu. A. Filimonova.	197	83
ONCOLOGY		
Time-Lapse Photography and Cytochemical Investigation of Tissue Cultures Treated with RNA from Leukemic Tissue – Z. A. Butenko, Ya. I. Morgunova, D. F. Gluzman, and A. A. Voloboeva	201	87
Effect of Some Hormonal Factors on Growth of Transplanted Harding-Passy Melanoma – V. G. Grigor'yan	204	91
Simulation of Adenocarcinoma of the Stomach in Rats – G. N. Arkhipov	207	94
Detection of Myeloblastosis Virus Antigen in Cell Cultures – I. F. Murtazin	210	
EXPERIMENTAL BIOLOGY		
Diurnal Changes in Mitotic Activity and Glycogen Content in Rat Liver During Prolonged Starvation – L. V. Sokolova	213	101
EXPERIMENTAL GENETICS		
Homozygosis and Color Genotypic Stability of Albino Mice of Inbred Lines Af, BALB/cDe, and CC57W – I. K. Egorov	216	104
MORPHOLOGY AND PATHOMORPHOLOGY		
Correlation Between Nerve Cells and Capillaries in the Mesencephalic Reticular Formation – L. M. Bakhitova	218	107
Metabolic Stability of DNA in Brain Nerve Cells – T. N. Gavrilova	221	110
Plasma Cell Responses in Various Lymph Glands of Rabbits – L. D. Kolesnikova	224	113
METHODS		
Simultaneous Determination of Volumes of Extracellular Fluid – A. G. Rummel' and G. S. Chudnovskii	227	117
Flocculation Reaction in a System Human Growth Hormone – Antihormonal Horse Serum – A. F. Lazarev	231	120
Study of Healing of Skin Wounds by India Ink Marking – E. A. Efimov	234	123
Volume 65, Number 3 March, 1968		
PHYSIOLOGY		
Dynamics and Spread of Paroxysmal Discharges after Stimulation of Dorsal and Ventral Hippocampus – F. P. Vedyaev.	237	3
Electrical Activity of Inspiratory and Expiratory Muscles of Persons Doing Repeated Static Work – A. M. Kulik	242	8
Role of Limbic Cortex and Amygdaloid Nuclei in Control of Motor Activity of the Gastro-Intestinal Tract – P. G. Bogach and L. A. Koval'.	245	11
White Bile as a Secretion of the Liver Cells – K. S. Zamychkina	249	15
Effect of Catecholamines on Temperature, Oxygen Tension, and Blood Flow in Skeletal Muscles – V. I. Korkach	252	19
Effect of Subcutaneous Injection of Noradrenalin on Oxygen Consumption of Muscles Adapted to Cold and Physical Exertion – T. A. Allik and I. N. Ivashkina	255	21
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY		
Mechanisms of Changes in Arterial Pressure and Heart Rate in Acute Hypoxic Hypoxia – L. I. Ardashnikova	258	25
Saluresis in Experimental Myocardial Ischemia – L. L. Branchevskii	262	29
Effect of Radial Acceleration on Morphological and Biochemical Changes in the Cardiovascular System of Dogs with Experimental Hypercholesteremia – E. D. Klimenko, G. V. Chernysheva, and V. E. Potkin	265	32

	Engl.	Russ.
Effect of Citric Acid on Experimental Hypercholesteremia and Atherosclerosis in Rabbits – D. A. Kaidin	269	36
Effect of Breathing Pure Oxygen on Erythropoiesis – I. S. Breslav, O. V. Klestova, O. I. Moiseeva, and A. M. Shmeleva	273	39
Effect of Some Radioprotective Agents on Contact Digestion in Irradiated Animals – A. V. Lazovskaya and V. Yu. Domanskii	276	43
Comparative Study of Some Etiopathogenetic Factors in the Development of Acute Pancreatitis – V. A. Protsenko and K. D. Toskin	280	47
Mechanism of the Goitrogenic Action of Cobalt – V. I. Zak	283	51
BIOCHEMISTRY AND BIOPHYSICS		
Synthesis of Serum Proteins in the Human Placenta in Vitro – S. S. Vasileiskii	287	55
5'-Nucleotidase Activity of Tissue of Irradiated Rats – E. M. Belyaeva and Yu. P. Vinetskii	289	57
Role of Vitamin K in Biosynthesis of Some Exoenzymes of the Digestive Organs – N. G. Bogdanov and V. A. Lider	292	60
Changes in Nitrogen Metabolism in the Liver Depending on Severity of Thyrotoxicosis in Rabbits – S. G. Gasanov and A. S. Arslanov	295	63
Comparative Study of Enzymes of Transplantable Human Leukemia Cells with Resistance to Viruses Acquired in Vitro – F. B. Levin and F. V. Voronina	298	66
PHARMACOLOGY		
Effect of Metamizil on Centrogenic Cardiac Arrhythmias – M. A. Buryak	301	70
Participation of Central Muscarine-like and Nicotine-like Cholinergic Systems in Antidiuretic Effect of Acetylcholine – N. S. Sapronov	305	73
Effect of Bile Acids on Reflex Excitability of the Spinal Cord – N. I. Pityk	308	76
MICROBIOLOGY AND IMMUNOLOGY		
Cytoimmunochemical Electron-Microscopic Analysis of Differences in Immunogenicity of Leptospires for Mice of Different Inbred Lines Using Iodized Antibodies – I. V. Osechinskii, L. B. Mekler, R. V. Petrov, and V. M. Mityushin	310	78
Formation of Antigenic Composition of the Chick Meso- and Metanephros during Ontogenesis – N. G. Andreeva	314	83
Depression of Immunobiological Reactivity of Animals by Some Organophosphorus Pesticides – A. I. Shtenberg and R. M. Dzhunusova	317	86
Antiviral Properties of Adamantamine – A. M. Chernukh, N. S. Tolmacheva, and I. S. Rudakova	319	88
Formation of Precipitation Zones during Immunization with Alkylating Compounds Lonin-3 and K-4 – E. V. Montsevichyute-Éringene	322	91
ONCOLOGY		
Changes in Electrophoretic Mobility of Fibroblasts in Tissue Culture Caused by 3,4-Benzpyrene – O. Yu. Ivanova, A. G. Malenkov, and E. A. Modyanova	325	95
Induction of Cerebral Tumors with Methylnitrosourea – I. N. Dimant, A. A. Israilyan, G. M. Loktionov, and M. M. Sataev	328	98
Detection of Specific Virus Antigen in Cells of Wistar Rats Infected with Fowl Erythroblastosis Virus – V. A. Parnes and D. M. Levina	331	101
Effect of Chlorpromazine on Thyroid Function and Thyrotropic Function of the Pituitary in Rats with Induced Tumors – A. P. Vorona	335	103
EXPERIMENTAL BIOLOGY		
Action of Stimulating Doses of Antitesticular and Antiovarian Cytotoxic Sera on Gonad Explants of Animals of Different Ages – L. I. Barchenko	338	106
Action of Some Pyrimidine Derivatives on Early Stages of Chick Embryogenesis – É. A. Kosmachevskaya	341	109
Cytostatic Action of 5-Hydroxytryptamine (Serotonin) on Tissue Cultures – E. Ch. Pukhal'skaya and T. G. Shirokova	345	113

Engl./Russ.

Biometric Analysis of Structures of the Placental Barrier in Early Human Ontogenesis —A. I. Brusilovskii 347 116

MORPHOLOGY AND PATHOMORPHOLOGY

Role of Fibrinogen (Fibrin) in Amyloid Formation in Experimental Amyloidosis —B. V. Shekhonin and V. S. Rukosuev 350 119

METHODS

Ultrasonic Location of Movements of the Heart Valves and Muscle Based on the Doppler Effect — Yu. D. Safonov and V. M. Lubé 353 123

Volume 65, Number 4 April, 1968

PHYSIOLOGY

Mechanism of Reciprocal Interaction between Tactile Receptors of the Skin —A. I. Esakov and T. M. Dmitrieva 357 3

Spino-Bulbo-Spinal Response in Unanesthetized Rats—V. N. Semagin. 360 7

Slow Potentials and Contractile Activity of the Uterus—G. M. Pronina 364 11

Changes in Membrane Potential of Smooth Muscles of the Rabbit Aorta during Depolarization by Potassium Chloride and Sulfate—M. I. Gurevich, D. A. Golov, and N. G. Kochemasova 366 13

Influence of Cardiac Nerves on Coronary Vascular Tone—G. N. Aronova and I. N. Kiryushina 370 16

Hemodynamic Changes in Man during Flight—A. Z. Kotenko and L. A. Fel'dman 373 20

Avoidance Reaction of Animals to Radiation Fields—N. G. Darenskaya and G. M. Pravdina. 376 23

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

Functional State of the Anticlotting System in Some Forms of Experimental Disturbance of Lipid Metabolism—B. A. Kudryashov, G. G. Bazaz'yan, M. M. Nikitina, and N. P. Sytina 380 28

Contractile Function of the Heart Muscle in Experimental Myocardial Infarction —G. I. Markovskaya 383 31

Effect of Adrenalectomy and Corticosteroids on Electrical Activity of the Caudal Mesenteric Sympathetic Ganglion—A. D. Nozdrachev 386 35

Relationship between Disturbances of Axoplasm Transport and Changes in Function of Single Medullated Nerve Fibers in Tetanus—V. V. Mikhailov, O. G. Astaf'eva, and I. L. Shvarts 390 40

Changes in Histamine Concentration in Blood and Organs of Rats with Experimental Pneumococcal Infection—Z. A. Popenenkova and M. G. Romanovskaya. 393 43

Role of Bile in Disturbances of Phosphorus Metabolism in Obstructive Jaundice —R. S. Rubinov. 395 45

Cytotoxic Action of Spleen Cells of Unirradiated and Irradiated Rabbits —N. N. Klemparskaya and V. V. Shikhodyrov 398 48

Effect of Radiosensitivity of the Organism on Vestibular Function Changes after Exposure to Ionizing Radiation—Yu. V. Farber and L. A. Tabakova 401 51

BIOCHEMISTRY AND BIOPHYSICS

Definition of Endogenous Amino-Acid Imbalance in Choline-Protein Deficiency —N. T. Usacheva, G. N. Milova, and A. A. Pokrovskii 403 54

Tissue Lipolytic Enzyme Activity of Some Internal Organs during Treatment of Experimental Atherosclerosis with Phepracet (IEM-366)—V. B. Isachenko and V. A. Matveeva. 406 57

	Engl.	Russ.
PHARMACOLOGY		
Action of Some Pharmacological Agents on Receptors of the Lungs—S. F. Maksimenko	408	60
Effect of Central Cholinolytics on Latent Period of the Flexor Reflex and Cortical Motor Response in Rabbits—M. A. Pogodin	411	63
Effect of Iprazid on Experimental Myocardial Infarction—N. K. Popova, M. D. Shmerling, L. V. Slozhenikina, and E. A. Zhuk	413	66
Effect of ACTH, Corticosteroids, and Sex Hormones on the Blood Clotting System —R. D. Seifulla and A. I. Maiskii	415	67
MICROBIOLOGY AND IMMUNOLOGY		
Effect of Cx-Reactive Protein on Immunologic Reactivity of Rabbits of Different Ages —I. B. Fryazinova	418	71
Virological Study of Embryonic Cells of Guinea Pigs and Golden Hamsters Infected with Rous Virus (Carr-Zil'ber and Schmidt-Rupin Strains) —D. M. Martirosyan and V. Ya. Shevlyagin	421	73
Removal of F'-lac$^+$ Factor from Escherichia coli K-12 Cells by Means of Acridine Orange—V. I. Orlovskii	424	76
ONCOLOGY		
Growth and Metastasization of Tumors Induced in the Spleen—E. V. Sokolova	426	79
Effect of Single and Fractionated Irradiation on Onset of Precancerous and Early Neoplastic Processes in Mouse Ovaries—A. V. Gubareva	430	83
Acid Phosphatase Activity and Phagocytic Power of Cells of the Reticulo-Endothelial System in Mice with Experimental Tumors—G. N. Durnova	432	85
Effect of Subcutaneous Transplantation of Sarcoma SSK on Autoproteolytic Activity of Rats' Blood—A. N. Sorinov, V. Ya. Shats, and V. A. Filov	435	88
Comparative Quantitative Study of the Antileukemic Activity of Hexaphosphamide, Certain Antileukemic Preparations, and X-Rays—E. I. Khomchenovskii	437	90
Abdominal Adhesions and Tumor Growth—R. A. Troitskii	441	93
EXPERIMENTAL BIOLOGY		
Differences between Methods of Regeneration—V. N. Zamaraev	444	98
Action of Humoral Factors Controlling Cell Division during the First Hours of Liver Regeneration—S. I. Telepneva	446	100
Relationship between Regeneration of the Adrenal Cortex and Character of the Operation—G. P. Krasnoshchekov	449	103
Rejection of Autografts Caused by Sensitization by Certain Bacterial Antigens —Yu. N. Zubzhitskii and R. P. Ogurtsov	453	107
MORPHOLOGY AND PATHOMORPHOLOGY		
Hypertrophy of Liver Cells and Their Nuclei in the Regenerating Liver of Rats of Different Ages—Z. A. Ryabinina	457	111
Action of Hyaluronidase on Experimental Pleural Adhesion Formation —G. V. Khitrina	461	115
METHODS		
Continuous Local Myotonography in Man—I. P. Blokhin	464	118
Implantation of Nonpolarizing Electrodes for Recording Very Slow Potentials of the Gastro-Intestinal Tract under Chronic Experimental Conditions —M. A. Sobakin and D. P. Todorov	466	120
Comparison of the Results of Investigation of Intestinal Movements by the X-ray and Window Methods—M. M. Popov, P. V. Vlasov, and M. A. Kir'yakov	469	122
NECROLOGY		
A. A. Solov'ev	472	125

Volume 65, Number 5 May, 1968

PHYSIOLOGY

Effect of Stimulation of Different Parts of the Brain Stem on Reflex Activity of a Group of Spinal Cord Extensor Motoneurons—Yu. D. Ignatov 473 3

Role of the Corpus Callosum in Transmission of Strychnine Excitation from the Cortex of One Hemisphere to the Other—V. M. Mosidze, R. S. Rizhinashvili, and Z. Sh. Kevanishvili 477 7

Recovery Cycle of Recruiting Potentials in the Cortex of Emys orbicularis —M. G. Belekhova. 481 11

Electrotonic Potentials of Primary Vagus Nerve Endings and the Hering-Breuer Inhibitory Reflex—Z. N. Sergeeva and S. I. Frankshtein. 485 15

Regulation of the Cerebral Circulation in Kittens—N. N. Benua and G. P. Lesnyak 487 18

Changes in Arterial Pressure of Dogs in Ontogenesis—G. A. Antonova 490 21

Formation of a Factor Inhibiting Erythropoiesis in Mountaineers after Descending from High Altitudes—A. G. Velichko and S. Yu. Shekhter 493 24

Influence of the Intact Erythrocytes on the Thromboplastic Activity of Plasma —I. Ya. Ashkinazi 496 27

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

Effect of Bradykinin and Histamine on Capillary Permeability—P. Ya. Gaponyuk and V. I. Oivin 499 31

Arterial Tone during Prolonged Hypotension Caused by Blood Loss—V. B. Koziner 502 34

Role of Autointoxication in Genesis of Hepatorenal Insufficiency in Thermal Burns —I. K. Koryakina and R. V. Nedoshivina 506 38

Protecting the Central Nervous System of Antenatally Irradiated Rats against Radiation —I. A. Piontkovskii and M. B. Gol'dberg 509 41

Effect of Enteral Vaccination on Radioresistance of Mice—L. I. Murav'eva 511 44

Intestinal Secretion and Enzymic Activity of Intestinal Juice and Blood of Dogs after Resection of the Small Intestine—Yu. N. Kolesnikov and V. A. Protsenko 514 47

Gall Bladder Function in Salmonella Carriers—G. P. Kondratenko and E. Z. Polyak 516 49

Cold Receptors of the Skin in Patients with Chronic Tonsillitis—L. M. Kurilova and R. M. Khanamiryan 518 51

Permeability of the Placental Barrier to Hemolytic Staphylococci and Trypan Blue —Z. F. Surovtseva 521 53

Effect of Antihistamine Drugs on Disease in Rats Caused by Adjuvant of the Freund Type —V. I. Sidorkin and S. I. Kharlampovich 523 56

BIOCHEMISTRY AND BIOPHYSICS

Plasma Enzyme Activity in Rats with Various Types of Acute Toxic Hepatitis —A. A. Pokrovskii, A. I. Archakov, A. M. Gerasimov, I. I. Karuzina, and M. L. Sorokina 526 60

Dynamics of Urinary Excretion of 5-Hydroxyindole-3-acetic Acid by Rats Developing Primary and Secondary Avitaminosis K—N. G. Bogdanov 529 64

Effect of Stelazine on the Nucleic Acid Content in Brain Tissue—S. P. Filippov and S. V. Zakharov 531 66

Changes in Permeability of the Placenta to I^{131} during Pregnancy—G. M. Egorova 533 68

PHARMACOLOGY

Effect of Trimethylammonium Iodide and Trimethylamine Hydrochloride on Postganglionic Sympathetic Nerve Fibers—O. M. Avakyan and A. A. Kaltrikyan. . 535 71

Comparison of Muscarine-like and Nicotine-like Cholinopotentiating Activity of Neostigmine and Eserine—V. B. Prozorovskii and Z. A. Kashtanova 538 74

Effect of Hexamethonium on Pulmonary Circulation and Bronchial Tone —R. M. Zaslavskaya 540 76

	Engl.	Russ.
Effect of Specific Inhibitors of Acetylcholine Synthesis on Action of Cholinomimetic Pharmacological Agents—S. M. Tregubov	542	79
Synergism of Guanidine and the Muscle-Relaxant Paramyon on Neuromuscular Synapses —A. I. Podlesnaya	545	82
Effect of Chlorpromazine on Distribution and Concentration of Nucleic Acids and Proteins in Structural Elements of the Rabbit Retina—F. A. Romashenkov and L. M. Gershtein	547	84
MICROBIOLOGY AND IMMUNOLOGY		
Effect of Aflatoxin on Dynamics of Antibody Formation—Kh. L. Galikeev, O. R. Raipov, and R. A. Manyasheva	550	88
Sensitivity of Tissue Cultures of Various Species to Toxin of Clostridium oedematiens —S. A. Shamraeva and Z. A. Pyleva	552	91
EXPERIMENTAL BIOLOGY		
Diurnal Rhythm of RNA and Glycogen in Fasting Animals—G. D. Gubin, N. A. Pospelova, and V. S. Vlasova	555	94
Diurnal Rhythm of Mitotic Division of Chicken Thymus Lymphocytes—Yu. P. Khussar	558	97
Regeneration of Gastric Muscle Tissue under Various Experimental Conditions —N. I. Verzhbitskaya	560	99
Effect of Disturbances of Uterine Innervation in Pregnant Rats on Susceptibility of Embryos to Hyperthermia and Myleran—I. L. Kurdovanidze	563	102
Postnatal Development of the Pancreas in Albino Rats—V. F. Sidorova and A. G. Babaeva	566	105
Ontogenetic Determinance of Reaction of Interrenal Gland to Irradiation—G. A. Tkacheva	570	109
MORPHOLOGY AND PATHOMORPHOLOGY		
Succinate Dehydrogenase and Alkaline Phosphatase Activity in Experimental Mycoses of the Brain—R. A. Araviiskii	573	114
Effect of Virus SV 40 on Cultures of Green Guenon Lung Cells—V. Ya. Karmysheva, G. I. Avgustinovich, and M. P. Chumakov	577	119
METHODS		
Combined Analysis of Electroencephalographic Data by Multiple Analyzer and Electronic Computer (Halfwave Analysis Method)—V. M. Anan'ev and V. A. Nazarov	581	123

Volume 65, Number 6 June, 1968

PHYSIOLOGY		
Possibility of Defensive Conditioning in Waking Rabbits in Acute Experiments —V. B. Shvyrkov	593	3
Functional Organization of Central Visual Neuronal Systems in Frogs during Strychnine Activity—O. G. Chorayan and V. F. Kravchenko	597	8
Effect of Prolonged Stimulation of Afferent Fibers on Changes in Efferent Biopotentials in Frogs—Yu. A. Darinskii	599	10
Effect of Stimulation of Ileocecal Interoceptors on Movements of Large Intestine —N. M. Vorob'eva	601	13
Nervous Regulation of Gall Bladder Movements—P. K. Klimov and A. D. Nozdrachev	604	16
Cholinesterase and Pseudocholinesterase Activity in Blood of Rats during Ontogenesis —B. S. Musin	607	19
Corticosteroid Pathways from Adrenals to Liver—M. R. Sapin, E. N. Gerasimova, and É. N. Dadiani	610	22
Effect of Noradrenalin, Acetylcholine, Lidase, and Rutamine on Intravascular Life Span of Granulocytes—Z. G. Filyushina	613	26

	Engl.	Russ.
Nature of the Phase Syndrome of Cardiac Hyperdynamia—V. M. Pokrovskii	616	29
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY		
Electrophysiological Investigation of Changes in Cortical Activity of Rabbits after Whole-Body Exposure to Ionizing Radiation—V. M. Anan'ev, A. M. Kogan, and V. A. Nazarov	619	32
Changes in the Human Blood Clotting System Caused by Prolonged Hypokinesia —L. M. Filatova and O. D. Anashkin	623	36
Hypertensive and Hypercholesteremic Reactions in Experimental Cerebral Ischemia —L. A. Myasnikov and V. V. Suchkov	626	39
Changes in Cardio-Inhibitory Effect of Vagal Stimulation in Experimental Disturbance of Adrenal Function—É. N. Berger and V. A. Bolyarskaya	628	41
Effect of Age on Development of Experimental Atherosclerosis in Castrated Rabbits —I. D. Nasledova	630	42
Effect of Previous Ultraviolet Irradiation on Stabilizing Properties of the Blood and Their Relationship to Protein Complexes in Experimental Atherosclerosis —S. Ya. Guz and G. V. Kobozev	633	46
Changes in Ascorbic Acid Content in Adrenals of Rats with Experimental Sleep Deprivation—O. D. Kushmanova and V. V. Yaglov	637	50
Bile-Secreting Function of the Liver before and after Partial Hepatectomy in Albino Rats —N. P. Skakun and M. A. Garbarets	640	52
BIOCHEMISTRY AND BIOPHYSICS		
Changes in Total Phospholipid Phosphorus Content of Whole Blood Entering and Leaving the Brain after Intracisternal Injection of γ-Aminobutyric Acid —K. G. Karagezyan and O. M. Amirkhanyan	642	55
Investigation of β-Fetoprotein by Chromatography on Sephadex G-200 Dextran Gel —S. S. Vasileiskii	646	57
PHARMACOLOGY		
Effect of Arecoline on Single Hippocampal Neurons—Yu. F. Pastukhov and R. Yu. Il'yuchenok	647	60
Effect of Nembutal on Arterial Pressure Responses Evoked by Stimulation of the Hypothalamus, Medulla, and Lateral Horns of the Spinal Cord—V. A. Tsyrlin	649	62
Effect of an Antithyroid Agent (Ammonium Perchlorate) on Adrenal Cortical Function —N. N. Litvinov, V. I. Govorchenko, and B. G. Lyapkov	653	65
ONCOLOGY		
Changes in Mechanisms of Influence of the Hypothalamus on Tumor Development —Yu. N. Bordyushkov	655	68
Substained Drug Resistance of a Transplantable Strain of Rat Leukemia (Erythromyelosis) to Paraphenacyl—E. I. Khomchenovskii	658	71
EXPERIMENTAL BIOLOGY		
Comparison of Healing of Full-Thickness Wounds in Newborn and Sexually Mature Rats —E. A. Efimov	661	75
Dynamics of Glycogen Content in Epithelial Anlagen of Organs at the Second Month of Human Embryonic Development—Yu. N. Shapovalov, A. I. Brusilovskii, and B. V. Trotsenko	664	78
Biological Determination of Antidiuretic Activity in Tissues of the Human Embryonic Hypothalamus, Pituitary, and Human Placenta—S. E. Levina and E. A. Ivanova	667	81
Activity of Certain Phosphatases in the Normal and Regenerating Liver of Pregnant Rats—N. Ya. Kovalenko	669	83
Effect of Time of Myleran Administration on Diurnal Mitotic Rhythm of Epithelium of the Rat Small Intestine—M. T. Gololobova	673	87
Organ Specificity of Action of Humoral Factor—A. G. Babaeva and R. R. Tlel'ka	676	90

Engl./Russ.

MORPHOLOGY AND PATHOMORPHOLOGY

Effect of Maternal Nitrobenzene Poisoning on Morphology and Histochemistry of Hemochorial Placentas of Albino Rats—S. S. Kazanina 679 93

Morphological Changes Produced in Animal Organs by Prolonged Hypodynamia and Subsequent Physical Exertion—V. N. Vinogradov, V. G. Petrukhin, and I. V. Fedorov 682 96

The Nature of Kurlov's Corpuscles—E. D. Gol'dberg and D. I. Gol'dberg 685 100

Lesions of the Gastro-Intestinal Mucous Membrane in Experimental Lead Poisoning—N. A. Nilova and A. A. Mambeeva 688 104

Histochemical Changes in the Mucous Membrane of the Gastro-Intestinal Tract of Albino Rats Deprived of Water—V. A. Kalishuk, E. E. Filyushina, L. I. Lazovskaya, and V. V. Vinogradov 691 106

Recovery of Peripheral Nerves after Prolonged Fractional X-Ray Irradiation—V. I. Evsyukov 694 109

METHODS

Photoelectric Recording of Pulse Volume of the Coronary Artery in Chronic Experiments—V. B. Zakharzhevskii, A. O. Olesk, and V. N. Strochkov 697 113

Method of Calculating the Mean Depth of Respiration from Spirograms—P. F. Tokarev, Yu. I. Petunin, and B. N. Karasev 701 116

Use of an Immunosorbent for Preparing Tissue Antibodies—B. P. Surinov, K. P. Kashkin, D. N. Bochkova, and V. G. Lorents 703 118

A Polyurocystograph—A. M. Gasparyan and A. G. Shapkin 706 121

Objective Photometry as a Method of Assessing Allergic Changes in Leukocytes—Yu. P. Avanesov and V. B. Gervazieva 708 123

Volume 66, Number 7 July, 1968

50 Years of Soviet Health Care 711 3

PHYSIOLOGY

Reciprocal Influences on Work of Single Motoneurons during Controlled Locomotion—F. V. Severin, G. N. Orlovskii, and M. L. Shik 713 5

Functional Properties of "Reticular" Neurons of the Frog Medulla—L. D. Karpenko and O. G. Chorayan 717 9

Changes in Stimulation Strength—Duration Curve of Cerebral Motor Centers in Postnatal Ontogenesis—D. P. Matyushkin. 720 12

Distribution of Noradrenalin in the Subcortex of Dogs at Various Age Periods—V. D. Rozanova and N. A. Khodorova 724 16

Relationship between Functions of Parts of the Dog's Heart and Biochemical and Ultrastructural Properties of the Mitochondria—L. A. Kopteva and V. I. Biryuzova 727 19

Effect of Serotonin on Cardiac Activity—K. N. Tkachenko 730 22

Effect of Hyperoxia on the Circulation of Anesthetized and Unanesthetized Dogs—N. K. Savel'ev and Yu. M. Smirnov 734 27

Effect of Stimulation of Efferent Fibers of the Splanchnic Nerves on Renal Tubular Activity—V. F. Lysov 736 29

Increased Lactic Acid Production by Resting Skeletal Muscles during Vasodilator Sympathetic Influences—N. A. Len'kova, I. M. Rodionov, and O. A. Studitskaya 739 32

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

Changes in the Phonocardiogram and Structure of the Cardiac Cycle in Dogs with Streptococcal Tonsillitis—M. E. Kvitnitskii 742 35

	Engl.	Russ.
Effect of Radiation on Mechanism of Transmission of Excitation in Ganglia of the Autonomic Nervous System—A. V. Mtskhvetadze and Yu. P. Pushkarev	744	37
Effect of Hyperthermia and Hypothermia on Development and Course of Acute Pulmonary Edema in Animals Anesthetized with Ether—N. G. Trinyak	748	40
Changes in Contact Digestion in the Small Intestine of Rats after Whole-Body X-Ray Irradiation—G. A. Bulbuk	750	42
Changes in Periodic Gastric Motor Activity after Division of the Intestine at Various Levels—G. I. Isakhanov	753	45
Motor Activity of the Gastro-Intestinal Tract in Dogs with Experimental Renal Hypertension—A. P. Mukhina	757	49
BIOCHEMISTRY AND BIOPHYSICS		
Effect of Nikethamide on Content of Pyridine Nucleotides in Rabbit Heart Muscle —N. O. Stepanyan and L. A. Tseitlin	759	51
Experimental Data on Biochemical Disturbances in Tetanus—I. M. Markelov, G. N. Tsybulyak, and T. N. Krokholeva	761	53
Relaxant Action of Sarcoplasmic Reticulum under Normal Conditions and in Experimental Local Tetanus—T. Yu. Lipskaya	764	56
Tyrosine and Tryptophan Metabolism in the Liver of Albino Rats after Trauma —Nguen Ngok Lan and Zh. I. Akopyan	767	59
Effect of Irradiation on Metabolism of Desoxynucleosides and Role of Hormonal Factors in Changes in Their Tissue and Urine Levels—T. A. Fedorova, V. K. Mazurik, M. A. Lomova, M. M. Skurikhina, E. M. Belyaeva, and Yu. P. Vinetskii	770	61
Radioprotective Action of ATP in Experiments on Mice—V. D. Rogozkin and E. I. Marinenko	772	64
PHARMACOLOGY		
Biological Activity of Chlorophyllin Sodium—A. N. Borisenko	775	68
Some Aspects of the Pharmacology of Onosma—A. P. Larin and N. N. Aleutskii	778	70
Effect of Anti-inflammatory Drugs on Central Effects of Barbiturates—Yu. S. Grosman, A. S. Zaks, and L. G. Zil'bermints	780	72
Effect of Leptazol, Troxidone, and Phenytoin on Postsynaptic Potentials of Motoneurons during Suprasegmental Stimulation—A. I. Shapovalov and E. B. Arushanyan	782	74
Effect of Prolonged Administration of Pyrazolone Derivatives Together with Prednisolone on Renal Tubular Function—V. I. Ratnikov	787	79
Action of 2-Methylnaphthoquinone on Elements of the Frog Nerve-Muscle Preparation —G. I. Poletaev	789	81
MICROBIOLOGY AND IMMUNOLOGY		
Behavior of F-lac$^+$ Factor in Cells of Escherichia coli 200 PS after X-Ray Irradiation —V. I. Orlovskii	792	86
Induction of Immunologic Tolerance in Adult Mice by Repeated Injection of Allogenic Spleen Cells—I. N. Golovistikov	794	88
Immunohistochemical Investigation of Antitoxic Immunity of Mice in Hypoxia —A. S. Kaplanskii, G. N. Durnova, and G. M. Kopylova	796	90
Protective Properties of Immune Tissues (Short Communication)—I. M. Glezer and I. Ya. Geitman	798	92
EXPERIMENTAL BIOLOGY		
Changes in Mitotic Activity of the Uterine Epithelium in Mice Produced by Small Doses of Dienestrol—V. M. Budik and R. A. Kargina-Terent'eva	799	94
Changes in Pharyngeal Epithelium when Cultivated in Vivo—Yu. P. Semchenko	802	97
MORPHOLOGY AND PATHOMORPHOLOGY		
Effect of Closed Head Injuries on Development of the Vascular System of the Brain —E. N. Kosmarskaya and N. G. Palenova	806	101

Histochemical Study of the Action of Actinomycin 2703 on RNA Metabolism of Spinal Motoneurons during Increased Function—Yu. Ya. Geinisman, V. N. Mats, L. S. Rozanova, and F. Z. Meerson 809 104
Effect of Vitamin A Content of the Diet on Hair Structure—Yu. A. Runikhin and N. N. Prostyakova 812 107

METHODS
Measurements of the Coronary Blood Flow by a Radioisotope Dilution Method in Chronic Experiments on Monkeys—Yu. M. Repin 814 110
A Regional Perfusion Pump with Automatic Pressure Stabilization in the Main Artery of the Organ—A. A. Moibenko, L. A. Grabovskii, and P. P. Stoletnii 817 113
Method of Detecting Fatty Acids in Nerve Fibers—K. K. Sergeev 821 116

Volume 66, Number 8 August, 1968

PHYSIOLOGY
Role of Tonic Activity of the Respiratory Muscles in Regulation of Human Respiration—E. N. Domontovich and I.A. Panchenko 823 3
Spike Activity of Depression Structures of the Hypothalamus during Vascular Reflexes—O. V. Verzilova and L. N. Kondrat'eva 826 6
Characteristics of Action Potentials of Skeletal Muscle Fibers during Postnatal Ontogenesis of Dogs—S. S. Solomatin 829 9
Effect of Hypothermia on Summation of Excitation in the Central Apparatus of the Unconditioned Reflex—V. A. Smotrov. 832 12
Changes in Cardiac Activity under High Emotional Stress—R. I. Pastukhina and M. P. Vikhrieva 835 14
Effect of Hemodynamic and other Factors on the Rheoencephalogram (REG) during Regional Perfusion of the Head—É. N. Lerner, V. N. Shtok, V. F. Portnoi, and V. A. Chernyak 837 16

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY
Autoimmune Reactions in Experimental Necrobiotic Lesions of the Myocardium—E. P. Semenov, L. A. Semenova, and Yu. G. Tsellarius 840 20
Incorporation of S^{35}-Methionine into Proteins of Heart Muscle and Certain Organs in Experimental Neurogenic-Autoallergic Myocardial Infarction—I. P. Gerelyuk 843 23
Postdenervation Atrophy of the Myocardium—É. Barta and É. Sapakova 846 26
Immunologic and Biochemical Investigation of Cardiac and Aortic Tissues of Dogs with Experimental Atherosclerosis—D. G. Grigor'yan, N. A. Nazarenko, Z. A. Sokolova, A. A. Perelaznyi, and S. Kh. Kubli 849 29
Immunofluorescence and Serologic Investigation of Early Reactions to Injection of BCG and $H_{37}Rv$ Mycobacteria—M. M. Averbakh, N. V. Gogebashvili, V. I. Litvinov, and R. Yu. Romanova 853 33
Acid-Base Balance in Venous and Arterial Blood in Blood Transfusion Shock—I. L. Vinogradova, M. L. Garfunkel', V. A. Agranenko, and A. A. Safarova 856 37
Effect of Impulsation from an Inflammatory Focus on Reciprocal Inhibition—N. N. Ul'yanina 858 39
Effect of Prolonged Action of Cold on Periodic Movements and Evacuatory Function of the Stomach in Dogs—O. K. Sidorenkov 860 41
Role of Changes in Mineral Metabolism in Structural Bone Disturbances in Experimental Polycythemia—K. S. Ternovoi 862 44

BIOCHEMISTRY AND BIOPHYSICS
Role of the Hypothalamus in Disturbances of Protein Metabolism after Burns—T. L. Zaets, V. B. Golovchinskii, and L. I. Muzykant 865 48

Changes in Content of Ascorbic Acid and Nucleic Acids Produced by Benzene and Formaldehyde—N. N. Pushkina, V. A. Gofmekler, and G. N. Klevtsova 868 51
Composition of Mucopolysaccharides in the Cornea during Neurogenic Disorders —B. S. Kasavina and M. I. Vinetskaya 871 53
Absorption of Ionized and Complex-Bound Copper in the Stomach and Small Intestine —I. S. Merkulova, V. R. Soroka, and N. Z. Rudenko 874 56
Physico-Chemical State of Sr^{90} in Contents of the Gastro-Intestinal Tract—E. I. Frolova, Z. V. Dubrovina, Z. A. Bakhareva, and N. I. Burov 876 59

PHARMACOLOGY
Action of Serotonin on D-Receptors of Smooth Muscles—I. I. Abramets, I. V. Komissarov, and I. M. Samoilovich 879 62
Effect of Adiphenine on Pituitary Gonadotropic Function—É. P. Bekhtereva 883 66

MICROBIOLOGY AND IMMUNOLOGY
Localization of Cells Synthesizing Specific and Nonspecific Globulins in Lymph Glands —K. A. Lebedev 887 70
Immunoelectrophoretic Investigation of Urinary Proteins—K. P. Kashkin and Yu. S. Kulish 891 74
Effect of 6-Thioguanine on Immunologic Reactivity of Animals to Foreign Erythrocytes —V. V. Solov'ev, L. N. Fontalin, and L. A. Pevnitskii 895 78
Antitoxic and Pyrogenic Properties of Rabbit Polymorphs—V. E. Pigarevskii, G. I. Il'in, and A. V. Sorokin 898 81
Complementary Nature of Receptor Structures of Bacteriophages and Sensitive Bacterial Cells—V. I. Ioffe, K. M. Rozental', and A. A. Totolyan 901 85

ONCOLOGY
Attempt to Detect Fowl Leukemia Virus in Living Virus Vaccines Prepared in Eggs —N. P. Leshchinskaya, N. A. Ivanova, and A. A. Smorodintsev 904 89
Immunologic Reactions in Animals with Tumors—R. D. Antonyuk 908 93
Osmotic Resistance and Glucose-6-Phosphate Dehydrogenase and Glutathione Reductase Activity of Erythrocytes in Patients with Leukemias and Anemias —I. S. Luganova and I. F. Seits 912 97

EXPERIMENTAL BIOLOGY
Vital Fixation of Dye by Tissues and Diurnal Physiological Rhythm—G. D. Gubin 914 100
Changes in Content of Sulfhydryl Groups in Organs of Albino Rats and Mice during Reparative Regeneration of Skeletal Muscles—V. S. Nikitin and G. A. Shafranskaya 917 103
Autoradiographic Study of the Effect of Newcastle Disease Virus on the Mitotic Cycle of Cells—P. V. Glan 919 105

EXPERIMENTAL GENETICS
Induction of Reverse Mutations in a Thymine-Dependent Strain of Escherichia coli and Study of Donor Ability of the Revertants—G. N. Krivosheina 922 109

MORPHOLOGY AND PATHOMORPHOLOGY
Electron-Histochemical Investigation of Cholinesterase in the Neuromuscular Synapse of Rats—O. M. Pozdnyakov 924 112
Morphology of Experimental Myocardial Infarction Treated by Various Surgical Methods —E. F. Lushnikov, I. A. Iskrenko, and I. F. Rodina 928 116

METHODS
A New Method of Recording Contractions of Lymphatic Hearts—G. Ya. Makevnin and N. V. Pelipenko 932 121
Measurement and Recording of Arterial Pressure, Pulse, and Respiration of Rats during Chronic Experiments—R. M. Lyubimova-Gerasimova 934 122

Volume 66, Number 9 September, 1968

PHYSIOLOGY

Duration of Phases of the Cardiac Cycle in Rabbits – V. K. Sel'tser 939 3

Changes in Viscoelastic Properties of Arteries in Healthy Persons between 20 and 40 Years of Age – V. V. Rozenblat and B. M. Stolbun 942 6

Investigation of Efferent Impulses in Postganglionic Sympathetic Fibers during Exposure to Superhigh-Frequency Electromagnetic Fields – M. I. Yakovleva . . . 945 9

Movements of the Small Intestine during Stimulation of Duodenal Receptors – N. M. Vorob'eva 947 11

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

The Hepatic Circulation in Traumatic Shock – S. A. Seleznev, A. M. Granov, and N. V. Sinitsyn 949 14

Contractile Function of the Myocardium in Compensatory Hyperfunction of the Heart Following Alloxan Diabetes – K. M. Karlyev and V. I. Kapel'ko 954 18

Changes in Function and Structural Adaptation of the Heart and Lungs in Disturbances of the Coronary and Pulmonary Circulation – E. P. Mel'man, Yu. A. Maksimuk, and M. G. Shevchuk 957 21

Trophic Changes in the Myocardium Following Spinal and Vagus Deafferentation of the Heart – Z. I. Sobieva, G. V. Chernysheva, A. A. Gurvich, and V. F. Eremeev 961 25

Mechanism of Development of Hypercoagulation and Hyperfibrinolysis in Acute Hypoxia – B. I. Kuznik and V. P. Mishchenko 965 29

Reflex Excitability of Human Spinal Motoneurons during Temporary Ischemic "Deafferentation" – Ya. M. Kots 968 32

Participation of Posterior Hypothalamic Centers in the Mechanism of Rejection of Recent Skin Homografts – V. V. Mikhailov and V. Ya. Solov'eva 973 37

Effect of Sera with Brain Antibodies on Penetration of a Therapeutic Substance into Rat Brain Tissue – N. I. Kuznetsova and I. N. Sorokina 977 42

PHARMACOLOGY

Changes in Cortical Unit Activity during Inhalation of Various Concentrations of Ether – E. K. Aganyants 980 45

Onset of Vomiting after Microinjections of Serotonin into the Hypothalamus, Septum, and Amygdala of Cats Receiving Imipramine – V. A. Vakhing, L. Kh. Allikmets, and I. P. Lapin 983 48

Effect of Imidazole and Carnosine on Duration of Myoneural Block Created by Competitive and Depolarizing Agents – A. A. Boldyrev 986 51

Role of Afferent Impulses in the Mechanism of Autonomic Responses to Aconitine and Veratrine – Yu. G. Bobkov. 990 55

Experimental Investigation of Kanamycin Circulation between Mother and Fetus – L. E. Gol'dberg and N. G. Il'yushina 994 59

MICROBIOLOGY AND IMMUNOLOGY

Nature of the Adsorption Reaction of Erythrocytes Conjugated with Soluble Proteins – A. V. Ispolatova 997 63

Role of Individual Hypothalamic Structures in Certain Immunobiological Processes – V. A. Shekoyan 1000 66

Inhibition of Gel-Diffusion Reaction if Antigens Are Placed in Neighboring Wells – B. É. Chechik 1003 69

Presence of a Specific Antigenic Factor in the Duodenal Contents of Dogs with Experimental Pancreatic Necrosis – E. R. Cherkezova-Kinova 1005 71

Antigenic Properties of Cotton and Walnut Pollen – M. M. Khakberdyev and K. A. Ivanushkina. 1009 76

ONCOLOGY

Virus Leukemia (Reticulosarcomatosis) of Mice Induced by Human Leukemic Material – V. M. Bergol'ts 1011 78

Effect of Various Methods of Administration of Antitumor Serum on Mitotic Activity and DNA Content in Tumor Cells – S. V. Sukhorukikh 1014 81

Effect of the High-Molecular-Weight Component of the Nutrient Medium on Growth of Cultures of NK/Ly Ascites Tumor Cells – V. P. Nefedov. 1016 83

Excretion of Pseudouridine in the Urine of Tumor-Bearing Rats before and after Whole-Body Irradiation – N. A. Fedorov, M. Ya. Bogomazov, N. N. Kotov, and V. V. Pak 1019 86

Effect of Crude and Tar-Free Naphthalan on Development of Sarcoma M-1 in Rats – S. A. Gulieva 1021 88

EXPERIMENTAL BIOLOGY

Restoration of Cell Division in Tissue Cultures after Cooling – V. V. Portugalov, F. V. Sushkov, and V. B. Starikova 1023 90

Effect of Estrogen Level in the Body on Staining Properties of Nucleic Acids of the Uterine Epithelium – V. M. Budik 1026 93

Seasonal Rhythm of Mitoses in Cells of the Retina and Lenticular Epithelium of Rana temporaria L. – A. I. Farberov, Z. A. Sokolova, and V. V. Popov . . . 1030 96

Effect of Feeding Time and Lighting Conditions on Circadian Periodicity in Number of Binuclear Cells and Mitoses in the Rat Liver – A. A. Zhirnova . . . 1032 99

Comparison of Circadian Periodicity of Mitotic Activity in Organs of Albino Rats of Both Sexes – R. I. Bogatova-Nikanorova 1034 101

MORPHOLOGY AND PATHOMORPHOLOGY

Autoradiographic and Electron-Microscopic Investigation of Dark Cells of the Liver – L. D. Krymskii, B. V. Vtyurin, K. V. Botsmanov, A. K. Badikova, and K. I. Dzarakhokhov 1037 105

Development of Nonspecific Thalamic Nuclei Derived from the Ventral Thalamus in Rabbits – T. I. Belova 1040 108

Effect of Radial Acceleration on the Terminal Blood Vessels – V. G. Kupriyanov, V. G. Petrukhin, and N. G. Dimitrov 1044 113

METHODS

Method of Determining Displacement of the Cardiac Electrical Dipoles Based on Extinction of Potentials – L. I. Titomir 1048 117

Method of Studying Vestibular Function in Rats – I. I. Voinova 1052 121

Rapid Method of Determining γ-Aminobutyrate – α-Ketoglutarate Transaminase Activity – V. Yu. Vasil'ev and V. P. Eremin 1055 123

Volume 66, Number 10 October, 1968

PHYSIOLOGY

Postnatal Development of Inborn Rhythmic Movements of Rabbits after Removal of the Superior Cervical Sympathetic Ganglia – L. N. Deryabin. 1057 3

Analysis of Central Serotoninergic Structures of the Glossomandibular Reflex – E. V. Tetenchuk and A. P. Gilev 1061 7

Changes in Membrane Potential of Myometrial Cells in Response to Stretching – R. S. Orlov and A. T. Ketkin 1064 10

Effect of Pancreatectomy and of Cholinacetylase Inhibitors on Posttetanic Potentiation of Neuromuscular Transmission – P. Kh. Sharapova. 1066 12

Effect of Increased Pressure in the Upper Respiratory Passages of Dogs on Blood Pressure in the Right Ventricle – V. L. Popkov and I. N. Chernyakov 1068 14

Mechanism of the Increase in Venous Outflow from Skeletal Muscles during Intraarterial Injection of Hypertonic Solutions – I. K. Akopdzhanova and L. A. Vil'de 1070 16
Dynamics of Permeability of the Blood-Labyrinth Barrier for Radioactive Phosphorus – B. M. Sagalovich and M. V. Senyukov. 1073 18

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

Reaction of the Hematopoietic System to Blood Loss in the Late Period after Recovery from Acute Radiation Sickness – N. I. Shmeleva. 1076 21
Protein and RNA Synthesis in the Rabbit Liver after Blood Loss – E. F. Barmina 1078 23
Changes in Optical Density of Mitochondria of the Rat Liver and Heart in Neurogenic Degeneration – O. M. Zabrodin and L. S. Semenova 1081 26
Comparison of Indices of Protein Metabolism with Pathological Changes in the Liver Tissue after Experimental Administration of Diphtheria Toxin – A. V. Utyumova-Malova, A. V. Afanas'eva, and M. S. Brumshtein. 1084 29
The Etiology of "Urovskaya" (Kashin – Bek's) Disease – N. I. Muchkin 1086 31

BIOCHEMISTRY AND BIOPHYSICS

Immunochemical Investigation of Group Differences in Human Fetal Sera – Yu. S. Tatarinov and V. N. Masyukevich. 1089 34
Blood and Liver Glutathione Levels in Rabbits with Experimental Cholesterol Atherosclerosis – G. S. Ol'shanskii 1091 36
Effect of Thyroxin on Lipolytic Activity and Glyceride Glycerol Content in the Liver of Albino Rats – K. K. Kheidemanis and R. Ya. Lazdane 1094 39
Effect of Oxygen Inhalation on Respiration and Oxidative Phosphorylation of the Liver Mitochondria of Irradiated Animals – E. F. Shamrai, L. A. Baran, N. Ya. Dzyubko, and L. G. Sudarikova. 1096 41
Content of Ammonia and Amides in the Brain during Hibernation – É. Z. Émirbekov 1099 44
Effect of Carbamate Pesticides on Nucleic Acid Metabolism in the Rat Liver and Spleen – I. A. Anina 1101 46

PHARMACOLOGY

Effect of Leptazol on Interneuron Activity of the Spinal Cord – É. B. Arushanyan, A. V. Zav'yalov, and P. V. Mel'nichuk 1104 49
Role of Noradrenalin in the Mechanism of Action of Psychotropic Drugs – N. B. Vysotskaya, P. A. Sharov, and T. M. Shugina. 1109 54
Antiarrhymthic Properties of Some Indolalkylamines – L. S. Rogova and A. P. Gilev. 1113 58
Effect of Dehydrocholic Acid on Diuresis – E. B. Berkhin 1115 60
Effect of Neurotropic Substances with Central Action on Conditioned-Reflex Hypersecretion of ACTH – V. E. Ryzhenkov. 1118 62

MICROBIOLOGY AND IMMUNOLOGY

Role of Disintegrating Agents in Virus Reproduction – T. Ya. Dubrovina, R. Ya. Polyak, G. P. Zhilova, N. L. Sena, and A. A. Smorodintsev 1120 64

ONCOLOGY

Liberation of Ribonucleic Acid from Cells of Ehrlich's Carcinoma – V. G. Vinter. 1124 68
Mechanism of the Leukemogenic Action of Sex Hormones – N. A. Grigorovich 1127 71

EXPERIMENTAL BIOLOGY

Transplantation of the Anterior Lobe of the Pituitary – E. P. Volodina 1130 75
Immunodepressive Properties of Antilymphocytic Sera – V. I. Govallo and G. A. Kosmiadi. 1133 77
Regenerative Power of the Stomach Tissues in Acute Radiation Sickness – N. V. Stankevich 1136 80
Epithelial Growth of the Prostate Implanted by Lazarenko's Method – A. G. Ginovker 1140 84
Histochemical and Structural Characteristics of Growth and Conversion of Cartilage Tissues Cultivated in Vivo – G. S. Solov'ev 1144 88

Action of Actinomycin on Proliferating Epithelium of the Duodenal Crypts in Mice – I. D. Belyaeva 1148 92
Incorporation of Labeled Thymidine into Mouse Liver Cells after Preliminary Administration of Cortisone – T. A. Zaletaeva and Z. I. Sukhova 1151 95
Effect of Changes in Catecholamine Metabolism on Growth Rate of Young Rats – A. B. Elantsev. 1153 97

MORPHOLOGY AND PATHOMORPHOLOGY

Development of Nonspecific Thalamic Nuclei Derived from the Dorsal Thalmus in Rabbits – T. I. Belova 1156 100
Ontogenetic Development of Structural Organization of the Olfactory Analyzer – V. I. Pilipenko. 1160 105
Topography of Changes in Brain Neuroglia of Albino Mice during Starvation – I. S. Khusainova. 1163 109
Effect of Decoction of Linseed (Linum usitatissimum L.) on Morphological and Functional Changes in Pancreatic Cells in Latent Alloxan Diabetes – G. N. Voronin and Z. P. Kasumova 1166 112
Dynamics of Morphological Changes in the Adrenal Cortex after Whooping Cough Vaccination – F. L. Leites, M. I. Semashko, and N. S. Zakharova 1169 115
Morphological Changes in Rabbits Produced by Prolonged Administration of Trypsin – S. S. Feigel'man, I. N. Maiskii, and S. V. Kagramanov 1173 119

METHODS

Radiometric Method of Determination of Glucose-6-Phosphatase Activity – G. I. Meerov and Yu. P. Ryzhkova 1176 123

Volume 66, Number 11 November, 1968

PHYSIOLOGY

Changes in Frequency of Motor End-Plate Miniature Potentials after Transient Tetanic Stimulation of the Motor Nerve – M. A. Kamenskaya and N. P. Loss 1179 3
Mechanism of Spontaneous Relaxation of Smooth Muscle during the Action of Stimulants – I. M. Samoilovich 1182 6
Inhibitory and Facilitatory Effects from the Medulla in Experimental Local Tetanus – G. N. Kryzhanovskii and F. D. Sheikhon. 1185 9
Distribution of Indices of Hemocoagulatory Activity in Kidney Ultrastructures – P. V. Sergeev, R. D. Seifulla, and A. I. Maiskii. 1190 14

PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY

Effect of Electrical Stimulation of the Medulla and Spinal Cord on Restoration of Function of the Respiratory Center after Clinical Death – N. L. Gurvich and M. S. Bogushevich 1193 17
State of the Fibrinolytic System of the Blood of Rabbits with Experimental Atherosclerosis – Yu. P. Nikitin and T. A. Tabarovskaya 1196 20
Effect of Ethyl Linoleate on Regression of Experimental Atherosclerosis in Rabbits – N. A. Novikova 1199 22
Mechanism of Disturbances of Electrical Activity of Spinal Cord Neurons in Experimental Botulism – V. V. Mikhailov and V. V. Korolev. 1201 24
Role of Cellular Factors in the Pathogenesis of Experimental Allergic Encephalomyelitis – A. Kh. Kanchurin and I. M. Pozina 1205 28
Effect of X-Ray Irradiation on Adenosine Triphosphatase Activity in Denervated and Intact Muscles – P. M. Zubenko, K. V. Ostashkov, and I. I. Sokolov 1208 31
Effect of Large Doses of Vitamin D_2 on Erythropoiesis – V. B. Spirichev, N. V. Blazheevich, T. E. Zinov'eva, and S. K. Ilyuntseva 1209 32

Serotonin Secretion by the Intestine in Response to Hypertonic Solutions – Yu. S. Grossman and L. V. Povar 1211 34
Quantitative and Qualitative Investigation of Nucleic Acids in the Retina during Toxic Degeneration – S. F. Shershevskaya and Yu. E. Morozov 1214 37

BIOCHEMISTRY AND BIOPHYSICS

Comparative Electrophoretic and Immunologic Analysis of Soluble Liver Proteins and Serum Proteins in Experimental Hepatitis – F. M. Tsukrova 1216 40
Activity of Serum and Liver Enzymes at Various Stages of Development of Experimental Cirrhosis of the Liver – L. L. Gromashevskaya, Z. P. Gette, Ya. M. Gusovskii, and V. N. Demchenko 1218 42
Dynamics of Ammonia Formation and Fixation in Rat Brain Tissues during Epileptogenic Acoustic Stimulation – K. I. Pogodaev and V. V. Logunov 1222 46
Glycogen Content and Succinate Dehydrogenase Activity in HEP 2 Cells Infected with RNA-Containing Coxsackie B3 Virus – B. A. Erman and V. S. Sergeeva 1226 50
A Factor Increasing Ultraviolet Fluorescence of Bone Marrow Cells during Local Irradiation of Animals – V. G. Safronova 1229 52
Possibility of Increasing the Protective Action of Screening Part of the Bone Marrow during Irradiation of Rats and Mice – V. F. Shust 1232 55

PHARMACOLOGY

Effect of Precursors and Some Analogs of Serotonin on the Cerebral Circulation – M. D. Mashkovskii and V. P. Lanskii 1235 58
Role of the Metal in the Active Center of Adrenergic Receptors – I. V. Komissarov and G. I. Reutskaya. 1238 61
Mechanism of Action of Aminophylline on Renal Excretion of Sodium, Potassium, and Water in Patients with Nephritis – I. P. Ermakova and K. P. Vorob'eva 1241 65
Reaction of the Albino Rat Liver to Cholagogues after Resection – M. A. Garbarets 1245 69
Changes in the EEG and Autonomic Responses in Poisoning by Organic Tin Compounds – V. T. Mazaev, N. I. Losev, and V. A. Voinov 1247 72
Effect of Strong Electrical Stimulation on Content of Catecholamines and Glycogen in Rat Liver – V. V. Korkhov 1250 74

MICROBIOLOGY AND IMMUNOLOGY

Immune Response of a Spleen Cell Culture to Antigenic Stimulation in Vitro – E. A. Kabanova and I. N. Kokorin 1252 77
Antigenic Characteristics of the Human and Rat Pancreas – S. K. Vel'bri 1255 80
Antigenic Composition of Intracellular Fractions of the Dental Pulp – B. E. Movshev 1259 84

ONCOLOGY

Transplacental Blastomogenic Action of Urethane at Different Stages of Postnatal Life of Mice – T. S. Kolesnichenko. 1262 87
Identification and Quantitative Study of Uridinediphosphate-Acetylglucosamine in Healthy and Leukemic Human Leukocytes – A. D. Vladimirova and I. F. Seits 1265 90
Organ Specificity of Thyroid Tumors – S. I. Krupnik 1267 92
Role of Strength of Hypothalamic Stimulation in Production of an Antitumor Effect – L. Kh. Garkavi 1269 95

EXPERIMENTAL BIOLOGY

Physiological Regeneration in Rat Kidneys – L. M. Farutina 1271 97
Cell Division in the Thyroid and Parathyroid Glands, Small Intestine, and Cornea after Administration of Adrenalin to Rats Receiving Methylthiouracil – Yu. A. Romanov and A. N. Blokhina 1274 100
Diurnal Rhythm of Mitoses in the Epithelium of the Mouse Tongue – S. G. Mamontov 1277 103
Osteogenic Potential of Irradiated Bone Marrow Transplanted in Diffusion Chambers – A. I. Kuralesova 1279 105

MORPHOLOGY AND PATHOMORPHOLOGY
Distribution and Activity of Cholinesterase in Nerve Structures of the Pial Arteries: Histochemical Investigation – N. B. Lavrent'eva, G. I. Mchedlishvili, and E. K. Plechkova 1282 110
Effect of ACTH on Giant Cells in the Cortex of the Developing Adrenal in Albino Rats – M. P. Kravtsov 1286 114
Reaction of Smooth Muscle Cells of the Posterior Vena Cava of Albino Rats to Increased Stretching of Its Wall and to Short-Term Hormone Administration – O. Ya. Kaufman 1288 117
METHODS
Investigation of pH of Contents of the Gastro-Intestinal Tract by a Radiotelemetric Method – V. I. Dedlovskaya 1292 121
Transplantation of the Genital System of a Female Dog – V. P. Demikhov and I. N. Rembez 1295 124

Volume 66, Number 12 December, 1968

PHYSIOLOGY
Short-Latency Interstitiospinal and Rubrospinal Synaptic Influences on α-Motoneurons – A. I. Shapovalov and O. A. Karamyan 1297 3
Possible Pathways for the Effect of Vibration on Motor Activity of Chick Embryos – G. E. Sviderskaya 1301 7
Investigation of the Phase Structure of the Cardiac Cycle in Rabbits by Polycardiography – M. Z. Trokhimenko 1304 10
Relationship between Secretion and Blood Supply of the Submandibular Gland during Stimulation of the Chorda Tympani at Different Frequencies – P. E. Chernilovskaya 1306 12
Importance of Structures of the Lesser Curvature in the Spread of Peristaltic Waves over the Stomach – P. G. Bogach and S. D. Groisman 1309 16
A Possible Rapid Osmoregulatory Mechanism – V. L. Dotsenko and Ya. D. Finkinshtein . . 1313 19
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY
Changes in Reflex Responses of the Spinal Cord during Urinary Bladder Stimulation under Normal and Pathological Conditions – N. V. Pavlovich 1316 23
Blood Sugar Dynamics in Rabbits with Experimental Atherosclerosis and Coronary Insufficiency Produced by Limitation of Mobility – V. V. Tyavokin 1320 27
Effect of Malic Acid and Carbonates of Alkali and Alkaline-Earth Metals on Development of Alimentary Hypercholesteremia and Lipoidosis of the Aorta in Rabbits – D. A. Kaidin 1322 29
Action of Vitamin B_6 on Fe^{59} Utilization by Pronormoblasts and Normoblasts of Patients with Iron-Deficiency Anemias – S. V. Kanaev, É. I. Shcherban', G. D. Shostka, and V. A. Lapotnikov 1324 31
Blood Regeneration and Serum Hematopoietic Activity after Blood Loss in Splenectomized Animals at High Altitudes – A. Yu. Tilis and A. A. Almerekova . . 1326 33
Osmoregulatory Function of the Liver in Experimental Ascites – A. S. Kogan and V. N. Lomivorotov 1329 36
BIOCHEMISTRY AND BIOPHYSICS
Inhibition of Monoamine Oxidase Activity by Antihistamines of the Selenophene Class – L. A. Romanova, V. Z. Gorkin, A. N. Kudrin, and L. F. Chernysheva 1332 39
Content of Free Amino Acids, RNA, and DNA in Brain Tissue during Prolonged Administration of Chlorpromazine – S. V. Zakharov and B. M. Sharkov 1335 42
Changes in Activity of Transferases and Lactate Dehydrogenase in Traumatic Shock – D. S. Simkin 1337 44

Engl./Russ.

Effect of Whole-Body γ-Ray Irradiation on Tissue Protein Synthesis – I. I. Ivanov and V. V. Rudakov 1340 47
Human Salivary Ribonuclease Activity in Normal Health, Gastric Carcinoma, Food Poisoning, and Bacillary Dysentery – L. P. Adigamov 1343 49
Nucleic Acid Content in Embryonic Liver and Effect of Humoral Growth Stimulators on P^{32} Incorporation into Liver RNA – V. A. Konyshev 1346 53

PHARMACOLOGY
Effect of Cholinergic Substances on Bioelectrical Activity of the Limbic System – R. Yu. Il'yuchenok and G. N. Bannikov 1348 55
Mechanisms of the Stimulant Action of ABC Aralosides at the Cortico-Subcortical Level – S. Ya. Sokolov 1353 60
Species Differences in Effects of Apomorphine as an Adrenergic Agent – I. P. Lapin and M. L. Samsonova 1356 63
Principles Governing the Formation of Metallic Complexes of Polyaminopolyphosphonic Acids and Excretion of Metals from the Body – O. G. Arkhipova, N. M. Dyatlova, M. I. Kabachnik, T. Ya. Medved', and V. V. Medyntsev 1359 66

MICROBIOLOGY AND IMMUNOLOGY
Local Hemolysis in Agar as a Test of Inactivation of Nonsyngenetic Stem Cells R. V. Petrov, L. S. Seslavina, and É. K. Panteleev 1362 70
Effect of Antibodies against γ-Globulin on Cytotoxic Activity of Immune Lymphocytes in an Allogenic Cell Culture – B. D. Brondz, E. S. Ievleva, and G. N. Vornakova . . . 1366 73
Effect of Temperature of Incubation with Antiserum on Inhibition of Passive Anaphylactic Reactions by γ-Globulin – V. A. Strigin 1372 78
Dose–Effect Relationship for Immunization of Mice with Purified Oedematiens Toxoid – E. V. Vlasova, G. F. Shemanova, and O. K. Borisova 1375 81

ONCOLOGY
Water-Soluble and Lipid-Bound Liver Catalase Activity in CC57BR Mice with Virus Hemocytoblastosis – Reticulosis – A. F. Konyukhov and N. P. Mazurenko 1377 83
Serologic Affinity between Blood Hemocytoblasts of Patients with Acute Leukemia and Human Fetal Thymus Tissue – B. É. Chechik 1379 85

EXPERIMENTAL BIOLOGY
Effect of Maternal Stress on the Harmful Action of 4-Methyluracil on Embryogenesis of Rats – É. A. Kosmachevskaya and N. A. Chebotar' 1382 89
Antigenic Structure of Mature Oöcytes of Rana temporaria – R. F. Averkina 1385 92

EXPERIMENTAL GENETICS
Genetic Structure of Lactose-Negative Variants of Escherichia coli Carrying Mutant Factor F^1-Lac – A. A. Kusakin and A. P. Pekhov 1388 96

MORPHOLOGY AND PATHOMORPHOLOGY
Intravital Observations of Cerebrospinal Fluid Movement in the Subarachnoid Space – M. A. Baron 1390 98
Development of the Posteroventral Complex of the Rabbit Thalamus – T. I. Belova 1394 102

METHODS
Automatic Integral Frequency Analysis of the Acceleration Kinetocardiogram – I. E. Oranskii and L. N. Nesterov 1398 106
Activation of the Kinin System as a Possible Cause of Hemodynamic Changes Occurring with the Extracorporeal Circulation – O. A. Gomazkov 1401 109

INDEX
Author Index, Volumes 65-66, 1968 1405
Table of Contents, Volumes 65-66, 1968 1411